Hagberry 9 STATE COM 502H/ 503H Soil Reclamation Report

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CDEV ID# 18210974828

NM OCD Incident # Napp2129339302

November 3, 2022



ENVIRONMENTAL OILFIELD SOLUTIONS, L.L.C.

2317 Field St. Unit R, Odessa, Texas 79761

Main: 832.646.3107

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Hagberry 9 STATE COM 502H/ 503H Soil Reclamation Report

Contamination Levels and New Mexico Oil Conservation Commission Requirements

To comply with regulations set by the *New Mexico Oil Conservation Commission* and all state environmental regulatory agencies, a request for cleanup of contaminated soil to *Environmental Oilfield Services* was made in October 2021. Contaminated soil was to be removed from the location Hagberry 9H. Because water depth was not determined within one-half mile, soil was to be tested until chloride levels were near background levels or with the State's most stringent standard threshold of 600PPM as the benchmark for chlorides. Soil was to be tested also for TPH (Hydrocarbons), until TPH levels were in compliance with the State's most stringent standard threshold of 100PPM as the benchmark for hydrocarbons. Soil was also to be tested for BTEX until levels were in compliance with the State's most stringent standard threshold of 50PPM and Benzene not to exceed 10PPM.

TITLE 19 NATURAL RESOURCES AND WILDLIFE

CHAPTER 15 OIL AND GAS PART 29 RELEASES

19.15.29.1 ISSUING AGENCY: Oil Conservation Commission.

[19.15.29.1 NMAC - Rp, 19.15.29.1 NMAC, 8/14/2018]

Initial Assessment

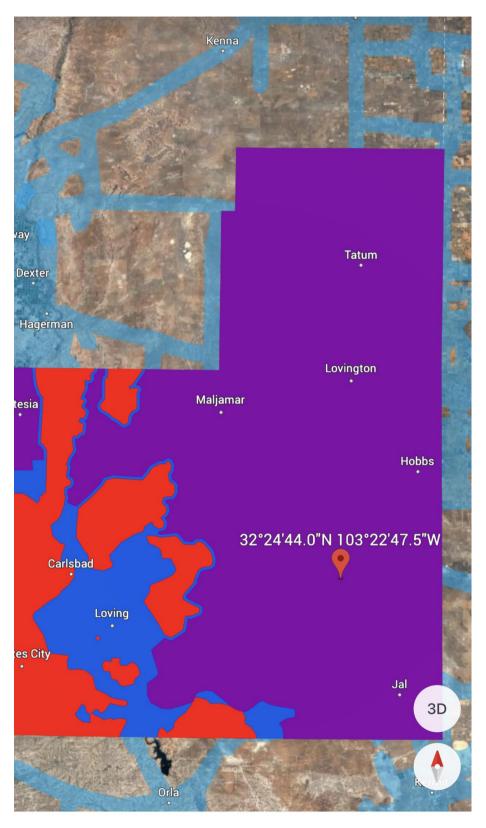
For the delineation of the site, grab soil samples were taken from visibly contaminated areas and marked (**Figure 1**[pg.4]). These soil samples were taken to a third-party laboratory (*Eurofins Xenco Laboratories*) for analysis. *Technical Analysis ID:880-7556 (pgs.31-57)* provided the data of initial levels of contamination where the release had occurred, as well as background levels of the surrounding area. These Chloride and TPH levels were considered pre-reclamation (*preliminary*) to determine the concentrations of chlorides and TPH in the soil. These are summarized in **Table:1** below (pgs. 9-10).

LICEND: 1 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 4 O Gin soil sample 5 O Gin soil sample 6 O Gin soil sample 7 O Gin soil sample 9 O Gin soil sample 1 O Gin soil sample 0 O Gin soil sample 1 O Gin soil sample 2 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 4 O Gin soil sample 5 O Gin soil sample 1 O Gin soil sample 2 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 4 O Gin soil sample 5 O Gin soil sample 1 O Gin soil sample 2 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 4 O Gin soil sample 2 O Gin soil sample 3 O Gin soil sample 4 O Gin soil sample 5 O Gin soil sample 5 O Gin soil sample 5 O Gin soil sample 6 O Gin soil sample 7 O Gin soil sample 8 O Gin soil sample 9 O Gin soil sample 1 O Gin soil sample 2 O Gin soil samp

Hagberry 9 STATE COM 502H/503H Preliminary Release Diagram

Figure 1: Hagberry 9 STATE COM 502H/503H Preliminary Release Diagram

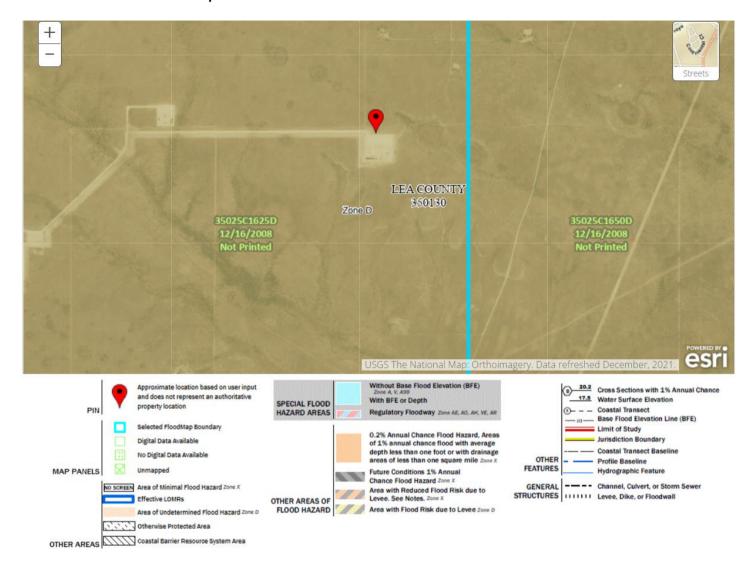
Karst Evaluation



X 32°24'44.0"N 103°22'47.5"W

Karst Evaluation Map shows low Karst potential at location Hagberry 9 STATE COM 502H/503H

FEMA National Flood Map



FEMA national flood map showed no flood hazard in area where *Hagberry 9 STATE COM 502H/ 503H* is located.

Excavation Proposal and Further Assessment of Affected Area

The Excavation Proposal was as follows: The location was divided initially into 10 quadrants (Quadrants 1-10 Figure 2 below), where contamination could be observed and just outside those areas as well. Excavation was to be performed in all quadrants at a depth of 6 inches. Following this, on-site soil analysis of each quadrant was to be made to determine where additional excavation was required to meet OCD standards. Excavation of quadrants would continue until all quadrants met contamination thresholds of Table I of 19.15.29.12 NMAC: i.e., Chlorides of 600mg/kg, TPH of 100mg/kg, BTEX of 50mg/kg, and Benzene of 10mg/kg. Grab soil samples would then be taken to a Third-Party Laboratory (Eurofins Xenco Laboratories) for analysis to ensure on-site soil analysis estimates were infact accurate. Quadrants where lab analysis that showed over threshold contamination levels were to be further excavated. For closure, final composite samples were then to be taken and sent to Eurofins Xenco Laboratories for analysis. Finally, backfill of all excavated areas was to be performed. Results from the preliminary samples taken at the Hagberry 9 STATE COM 502H/ 503H suggest that chloride contamination levels were too high in only two quadrants (over 600ppm). Results from the preliminary samples taken at the Hagberry 9 STATE COM 502H/ 503H suggest that TPH contamination levels were over threshold (over 600ppm) where visible dark surface coloration was present.

The actual sequence of events for the reclaimed area was as follows: Throughout the time period of January 24, 2022, to May 2, 2022, the soil of contaminated areas of the location was dug out and disposed of using a skid-steer and a Hydro-vac. Areas that were difficult to reach because of pipping were dug out using hand tools a Hydro-Vac and a mini excavator. On-site soil sampling and analysis was periodically taken from the bottom hole to ensure acceptable chloride levels. In areas where chloride levels were above threshold levels, further disposal of soil was performed until acceptable levels were achieved. For verification of contaminant levels, bottom hole grab samples were taken to a Third-Party Laboratory (Eurofins Xenco Laboratories) for analysis. Lab Analysis *ID:* 880-12263 (pg.30-45) show the soil analysis results of samples taken to the lab which record the progress made. These levels of chlorides, TPH, and BTEX of the different areas in the location *Hagberry 9 STATE COM 502H/503H* are summarized in **Table: 1** below (pgs. 9- 10).

Based on the analysis done on 3/8/2022 on the **bottom hole of the release areas** for TPH, BTEX, and Chlorides, it was concluded that quadrants 1-4, and 8-9 were reclaimed of TPH, Chlorides and BTEX. All other quadrants, however, (5-7, and 10) required further excavation to meet the OCD requirements for soil reclamation. Further excavation of contaminated quadrants was performed to an additional depth of 2ft. Therefore, total depth excavated for quadrants 5, 6, 7, and 10 was approximately 2.5ft while all other quadrants were excavated to a total depth of approximately 6-12in. Following excavation, closure five-point composite samples were taken from the bottom hole using a soil auger. These samples were taken from a 6in bgs depth (quadrants 1-4 and 8-9), a 2.5ft bgs depth (quadrants 5, 6, 7, and 10) and a 4ft bgs depth (all quadrants). The samples were then sent to *Eurofins Xenco Laboratories* for analysis. These contamination levels are summarized in Table:2 below (pgs. 10-11).

A3 100ft CLIENT (176) Circled numbers; 12345678910 = (soil sample CENTENNIAL RESOURCES location in initial Report} TITLE Sample locations A1- A10 = {Additional Sample Locations Requested by OCD} Hagberry 9 STATE COM 502H/ 503H Reclamation Diagram 1. Additional Quadrants added (A1-A10) for Location Coordinates are: 30 completion of closure final composite 31.412228, -103.379867 samples. (Perimeter Samples) 2317 Field Suite R Odessa TX 79761 Tel. 832-646-3107

Hagberry 9 STATE COM 502H/503H Reclamation Diagram

Figure 2: Areal Image of Hagberry 9 STATE COM 502H/503H Showing Delineation Locations as quadrants, with 10 added perimeter quadrants (A1-A10).

Summary of Chloride and TPH Levels of Areas at Hagberry 9 STATE COM 502H/503H Before During, and After Soil Reclamation

Table:	1 Hagberry 9 G	Grab Samples (<i>Te</i>	chnical Analys	is ID: 880-75.	56 and 880-1	2263)
Sample ID/	Date	Sample	Sample	TPH Level	Chloride	BTEX Level
Quadrant #		Coordinates	Depth (bgs)		Level	
1	10/21/2021	32.41176, -103.38048	6in	<50.0	167	N/A
1	3/8/2022	32.41176, -103.38048	6in	<49.8	20.6	<0.00398
1	3/8/2022	32.41176, -103.38048	1ft	<50.0	39.4	<0.00400
2	10/21/2021	32.41176, -103.38040	6in	<50.0	51	N/A
2	3/8/2022	32.41176, -103.38040	6in	<49.9	50.6	<0.00399
2	3/8/2022	32.41176, -103.38040	1ft	<49.8	48.6	<0.00398
3	10/21/2021	32.41182 <i>,</i> -103.38049	6in	<mark>637</mark>	<mark>777</mark>	N/A
3	3/8/2022	32.41182, -103.38049	6in	<50.0	46.3	<0.00399
3	3/8/2022	32.41182 <i>,</i> -103.38049	1ft	<50.0	27.7	<0.00398
4	10/21/2021	32.41182 <i>,</i> -103.38040	6in	<49.9	33	N/A
4	3/8/2022	32.41182, -103.38040	6in	71.4	96.2	0.0371
4	3/8/2022	32.41182 <i>,</i> -103.38040	1ft	<50.0	62.1	<0.00399
5	10/21/2021	32.41189, -103.38044	6in	10200	66	N/A
5	3/8/2022	32.41189, -103.38044	6in	<mark>8090</mark>	267	<0.00398
5	3/8/2022	32.41189, -103.38044	1ft	<mark>2050</mark>	139	0.0470
6	10/21/2021	32.41190, -103.38042	6in	<mark>1130</mark>	314	N/A
6	3/8/2022	32.41190, -103.38042	6in	<mark>5550</mark>	110	117

6	3/8/2022	32.41190, -103.38042	1ft	<mark>5770</mark>	111	<mark>64.6</mark>
7	10/21/2021	32.41189, -103.38024	6in	<49.9	122	N/A
7	3/8/2022	32.41189, -103.38024	6in	<mark>1620</mark>	250	8.87
7	3/8/2022	32.41189, -103.38024	1ft	<mark>666</mark>	216	0.0858
8	10/21/2021	32.41195 <i>,</i> -103.38034	6in	<mark>235</mark>	85.3	N/A
8	3/8/2022	32.41195, -103.38034	6in	156	261	0.453
8	3/8/2022	32.41195, -103.38034	1ft	<49.9	429	0.0383
9	10/21/2021	32.41198, -103.38031	6in	<mark>14700</mark>	60.3	N/A
9	3/8/2022	32.41198, -103.38031	6in	51.7	244	<0.0401
9	3/8/2022	32.41198, -103.38031	1ft	54.9	192	0.00398
10	10/21/2021	32.41196, -103.38042	6in	<49.9	<mark>4050</mark>	N/A
10	3/8/2022	32.41196, -103.38042	6in	<mark>4950</mark>	118	71.0
10	3/8/2022	32.41196, -103.38042	1ft	<mark>3600</mark>	46.3	341

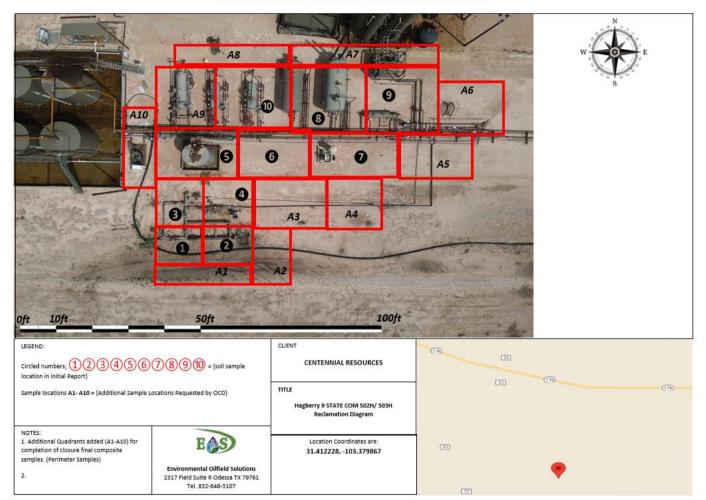
Ta	able:2 Hagberry 9	9 Composite Sam	ples (<i>Technic</i>	cal Analysis	ID:880-14529)
Sample ID/	Date	Sample	Sample	TPH Level	Chloride	Total BTEX
Quadrant #		Coordinates	Depth (bgs)	(ppm)	Level (ppm)	(ppm)
		(Center of				
		Quadrant)				
	F /C /2022	22.44476	C:	F4.6	100	0.0101
1	5/6/2022	32.41176,	6in	51.6	198	0.0191
		-103.38048				
1	5/6/2022	32.41176,	4ft	<49.9	90.7	<0.00399
	, ,	-103.38048				
	- /2/222					
2	5/6/2022	32.41176,	6in	<50.0	161	0.0755
		-103.38040				
2	5/6/2022	32.41176,	4ft	130	69.5	0.0245
	5, 5, 2022	-103.38040				5.52.15

3	5/6/2022	32.41182, -103.38049	6in	<49.9	66.7	0.00523
3	5/6/2022	32.41182, -103.38049	4ft	<49.9	60.2	0.0209
4	5/6/2022	32.41182, -103.38040	6in	87	66.0	0.0261
4	5/6/2022	32.41182, -103.38040	4ft	<50.0	74.1	0.00398
5	5/6/2022	32.41189, -103.38044	2.5ft	57.7	55.4	<0.00397
5	5/6/2022	32.41189, -103.38044	4ft	<50.0	73.9	<0.00398
6	5/6/2022	32.41190, -103.38042	2.5ft	<49.9	58.8	<0.00398
6	5/6/2022	32.41190, -103.38042	4ft	<49.9	56.2	<0.00401
7	5/6/2022	32.41189, -103.38024	2.5ft	<49.9	57.8	<0.00399
7	5/6/2022	32.41189, -103.38024	4ft	102	57.7	0.0172
8	5/6/2022	32.41195, -103.38034	6in	<50.0	59.6	<0.00400
8	5/6/2022	32.41195, -103.38034	4ft	<49.8	94.2	<0.00398
9	5/6/2022	32.41198, -103.38031	6in	<49.9	60.7	<0.00397
9	5/6/2022	32.41198, -103.38031	4ft	<50.0	54.8	<0.00401
10	5/6/2022	32.41196, -103.38042	2.5ft	<49.9	55.5	0.00899
10	5/6/2022	32.41196, -103.38042	4ft	55.1	62.1	0.0204

Due to the rejection of the "Initial Closure Report" and by request of the OCD with regards to the 200 square feet parameters (19.15.29.12.D(1)(c) NMAC), additional composite wall samples were collected from the wall to ensure that concentrations of TPH, chlorides and BTEX in remaining soil are below threshold levels. For the purpose of tracking additional soil samples A1-A10 *Figure 2* below was used. These samples were then taken to a third-party laboratory (*Eurofins Xenco Laboratories*) for TPH, Chloride, and BTEX analyses.

Further excavation required and subsequently performed on sections A-1 and A-10 for the removal of remaining contaminants. This excavation was done to a depth of approximately 18in.

After excavation, soil sample analysis was done for these two areas. **Table 3** below summarizes the results of this analysis.



Hagberry 9 STATE COM 502H/ 503H Reclamation Diagram

Figure 2: Areal Image of Hagberry 9 STATE COM 502H/503H Showing Delineation Locations as quadrants, with 10 added perimeter quadrants (A1-A10).

Table:3 Hag	gberry 9 Final Wa	all Composite Sai	•	cal Analysis IL	D:880-18964	and 880-
	T	1	0709)	г		T
Sample ID/	Date	Sample	Sample	TPH Level	Chloride	Total BTEX
Quadrant #		Coordinates	Depth (bgs)	(ppm)	Level	(ppm)
		(Center of			(ppm)	
		Quadrant)	_			
A1	9/06/2022	32.41173, -	1ft	<mark>133</mark>	46.0	<0.00403
		103.38049				
A1	10/24/2022	32.41173, -	1.5ft	<50.0	43.9	<0.00398
		103.38049				
A2	9/06/2022	32.41176, -	1ft	<49.9	94.1	<0.00396
		103.38035				
A3	9/06/2022	32.41182, -	1ft	<50.0	106	<0.00399
		103.38036				
A4	9/06/2022	32.41182, -	1ft	<49.8	40.8	<0.00402
		103.38029				
A5	9/06/2022	32.41189, -	1ft	85.6	55.5	<0.00401
		103.38020				
A6	9/06/2022	32.41198, -	1ft	76.2	91.1	<0.00399
		103.38027				
A7	9/06/2022	32.41202, -	1ft	<50.0	106	<0.00398
		103.38031				
A8	9/06/2022	32.41199, -	1ft	<49.9	104	<0.00402
		103.38042				
A9	9/06/2022	32.41196, -	1ft	<49.9	120	<0.00401
		103.38045				
A10	9/06/2022	32.41189, -	1ft	<mark>117</mark>	49.4	<0.00399
		103.38040				
A10	10/24/2022	32.41189, -	1.5ft	<49.9	44.9	<0.00402
		103.38040				

Soil Reclamation Process of Hagberry 9 STATE COM 502H/503H

Image of location Hagberry 9 STATE COM 502H/ 503H prior to the removal of chlorides, TPH, and contaminants in the soil is shown below (Image 1). After *One-Call* was completed (*ticket 22JA190540 and 22AP260753 for WBO*) along with preliminary soil analysis (Analysis ID: 880-7556), soil reclamation process began on Monday January 24, 2022. This was done by removing the top layer (approximately 6in) of visibly contaminated areas of the location and soil was disposed of. Second, areas where *on-site* chloride and TPH analysis showed contamination at 4ft depth, were dug out and soil was taken to disposal. Following this, areas were re-sampled, and lab analyzed to check for new chloride and TPH levels. Areas still containing unacceptable levels of chlorides/ TPH, or *Hot-Spots*, were further dug and soil was removed. To conclude, final soil samples were taken to ensure acceptable levels of chlorides and acceptable TPH levels. Additional composite samples were taken on the perimeter of the release area, to ensure these areas also contained below threshold contaminants. Images 2-17 (pgs.15-30) below show a summary of the steps taken in the soil reclamation process of the location.



Image 1: Areal Image of Hagberry 9 STATE COM 502H/503H Showing the Location Before Soil Reclamation.



Image 2: Removal of Top Layer of Contaminated Soil Using Hydro-Vac and Hand Tools in hard-to-reach areas such as Quadrant 6 shown here



Image 3: Removal of Top Layers of Contaminated Soil Using Skid Steer and Hand Tools in Quadrant 8



Image 4: Image of Excavation Done on Quadrant 8 Around Pipes using hydro-vac.



Image 5: Continuing of Removal of Contaminated Soil using Mini Excavator.



Image 6: Collection of Final Composite Samples

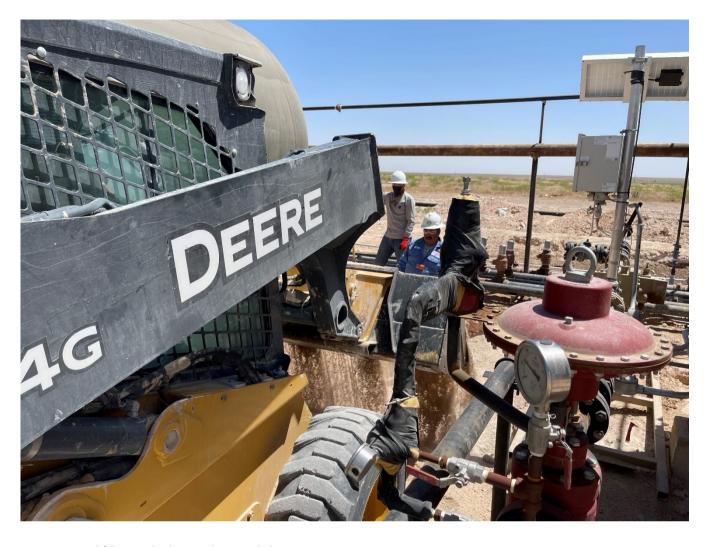


Image 7: Backfilling with Clean Soil Using Skid Steer in Quadrant 8

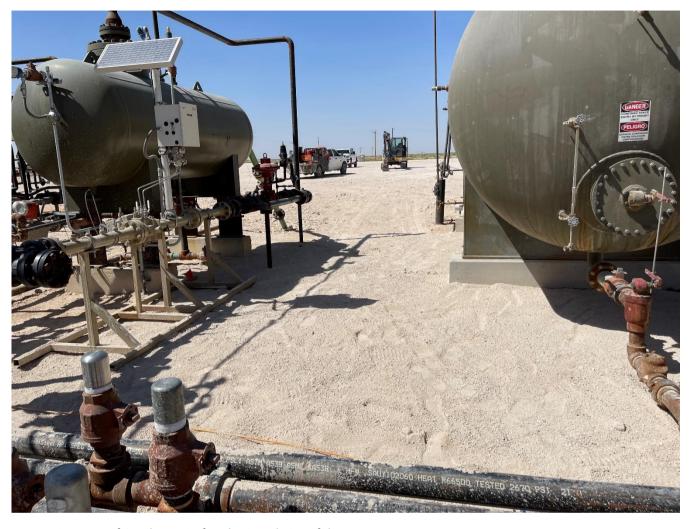


Image 8: Image of Quadrant 10 after the Completion of the Reclamation.



Image 9: Image of Quadrant 8 after the Completion of the Reclamation Process



Image 10: Image of Quadrant 6 after the Completion of the Reclamation Process



Image 11: Collection of Composite Samples in Quadrant A2. Quadrants A1 and A3-A10 were Collected in Similar Fashion



Image 12: Removal of Soil from Surrounding Areas of the Release in Quadrant A1



Image 13: Soil removed for Disposal was piled upon plastic sheeting as seen for Quadrants A1 and A10 here



Image 14: Additional *Removal of Soil from Quadrant A1*



Image 15: Backfill of Surrounding Quadrants with clean soil.



Image 16: Condition of Surrounding Areas of the Release after Reclamation such as in Quadrant A10 here



Image 17: Condition of the South Side Perimeter of the Release after Reclamation Quadrant A1

Appendix A: Certificates of Analysis



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-7556-1

Client Project/Site: Hayberry 9 State Com 502 H

Environmental Oilfield Solutions, LLC 2317 Field St. Unit R Odessa, Texas 79761

Attn: Steve Hoffman

Holly Taylor

Authorized for release by: 11/1/2021 12:07:49 PM Holly Taylor, Project Manager (806)794-1296 holly.taylor@eurofinset.com

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

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

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H Laboratory Job ID: 880-7556-1

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Eurofins Xenco, Midland 11/1/2021

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	Definitions/Glossary		
	mental Oilfield Solutions, LLC	Job ID: 880-7556-1	
	ayberry 9 State Com 502 H		E
Qualifiers			
GC Semi VOA			Т
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Defection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ MCL	Limit of Quantitation (DoD/DOE)		
MDA	EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC	Quality Control		
RER	Relative Error Ratio (Radiochemistry)		
RL	Reporting Limit or Requested Limit (Radiochemistry)		
RPD	Relative Percent Difference, a measure of the relative difference between two points		
TEF	Toxicity Equivalent Factor (Dioxin)		
TEQ	Toxicity Equivalent Quotient (Dioxin)		
TNTC	Too Numerous To Count		

Eurofins Xenco, Midland

11/1/2021

Case Narrative		
Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H	Job ID: 880-7556-1	
Job ID: 880-7556-1		
Laboratory: Eurofins Xenco, Midland		4
Narrative		
Job Narrative		0
880-7556-1		
Receipt		
The samples were received on 10/26/2021 9:59 AM. Unless otherwise noted below, the samples arrived in good condition, a	nd, where	
required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.7°C		
Receipt Exceptions		
The following samples were received at the laboratory outside the required temperature criteria: #1 6in Hayberry (880-7556-1	. 33	
Hayberry (880-7556-2), #3 6in Hayberry (880-7556-3), #4 6in Hayberry (880-7556-4), #5 6in Hayberry (880-7556-5), #6 6in Hayberry (880-7556-6), #6B 6in Hayberry (880-7556-7), #7 6in Hayberry (880-7556-8), #8 6in Hayberry (880-7556-9), #9 6in Haybe		
(880-7556-10), #9B 6in Hayberry (880-7556-11), #10 6in Hayberry (880-7556-12) and #11 6in Hayberry (880-7556-13). Ther		
cooling media present in the cooler.	- Mas no	
GC Semi VOA		
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: #5 6in Hayberry (880-7556-	5) and #9 6in	
Hayberry (880-7556-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not perform	med.	
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.		
Unione		
HPLC/IC		
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.		

Eurofins Xenco, Midland 11/1/2021

Client: Environmental Oilfield Solu Project/Site: Hayberry 9 State Cor		Clien	arcelle (Carlotte				Job ID: 880	J-/55b-1
Client Sample ID: #1 6in Ha						I ah San	nple ID: 880-	7556-1
ate Collected: 10/21/21 13:00	ybuny					Lub Sui		ix: Solid
Sample Depth: 6"								
Method: 8015 NM - Diesel Rang	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/01/21 12:32	
Method: 8015B NM - Diesel Rar	nge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8	mg/Kg	- 0	10/29/21 11:22	10/30/21 14:40	
(GRO)-C8-C10 Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		10/29/21 11:22	10/30/21 14:40	
C10-C28) Oll Range Organics (Over C28-C36)	<49.8	311	49.8	mg/Kg		10/29/21 11:22	10/30/21 14:40	
Oil Range Organics (Over 026-030)	V48.0	Ü	40.0	mgrkg		10/28/21 11.22	10/30/21 14.40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	99		70 - 130			10/29/21 11:22	10/30/21 14:40	
o-Terphenyl	106		70 - 130			10/29/21 11:22	10/30/21 14:40	
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	167		4.97	mg/Kg			10/28/21 02:21	
ate Collected: 10/21/21 13:00 late Received: 10/26/21 09:59	iyberry					Lab San	nple ID: 880- Matri	
oate Collected: 10/21/21 13:00 Oate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Rang	ge Organics (DR	The second secon	15	11124			Matri	ix: Solie
ate Collected: 10/21/21 13:00 late Received: 10/26/21 09:59 lample Depth: 6" Method: 8015 NM - Diesel Rang Analyte	ge Organics (DR Result	Qualifier	RL	Unit	D	Lab San	Matri Analyzed	ix: Solid
oate Collected: 10/21/21 13:00 late Received: 10/26/21 09:59 sample Depth: 6"	ge Organics (DR	Qualifier	RL 50.0	Unit mg/Kg	D		Matri	ix: Solid
ate Collected: 10/21/21 13:00 late Received: 10/26/21 09:59 lample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH	ge Organics (DR Result <50.0	Qualifier U	50.0	mg/Kg			Matri Analyzed	ix: Solid
oate Collected: 10/21/21 13:00 late Received: 10/26/21 09:59 sample Depth: 6" Method: 8015 NM - Diesel Rang Analyte	ge Organics (DR Result <50.0 nge Organics (D	Qualifier U	50.0 RL		D		Matri Analyzed	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DR Result <50.0 nge Organics (D	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg		Prepared	Matri Analyzed 11/01/21 12:32	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	ge Organics (DR Result <50.0 nge Organics (D Result	Qualifier U RO) (GC) Qualifier U	50.0 RL	mg/Kg Unit		Prepared Prepared	Analyzed 11/01/21 12:32 Analyzed	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10	ge Organics (DR Result <50.0 nge Organics (D Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38)	ge Organics (DR: Result <50.0 nge Organics (D Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate	ge Organics (DR Result <50.0 nge Organics (D Result <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38)	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 Analyzed	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (DR Result <50.0 nge Organics (D) Result <50.0 <50.0 <70.0 %Recovery 104 111	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocctane o-Terphenyl Method: 300.0 - Anions, Ion Ch	ge Organics (DR Result <50.0 nge Organics (D) Result <50.0 <50.0 %Recovery 104 111 romatography -	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01	Dil Fac
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (DR Result <50.0 nge Organics (D) Result <50.0 <50.0 %Recovery 104 111 romatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte Chloride	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <50.0 %Recovery 104 111 romatography - Result 51.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte Chloride Client Sample ID: #3 6in Ha	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <50.0 %Recovery 104 111 romatography - Result 51.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 02:43	Dil Fa Dil Fa Dil Fa Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte Chloride Client Sample ID: #3 6in Ha Date Collected: 10/21/21 13:00	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <50.0 %Recovery 104 111 romatography - Result 51.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 02:43	Dil Fa
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Dample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorocctane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte Chloride Client Sample ID: #3 6in Ha Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <50.0 %Recovery 104 111 romatography - Result 51.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 02:43	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <50.0 %Recovery 104 111 romatography - Result 51.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 02:43	Dil Fac
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Ch Analyte Chloride Client Sample ID: #3 6in Ha Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6"	ge Organics (DR Result <50.0 nge Organics (D Result <50.0 <50.0 <70.0 %Recovery 104 111 romatography - Result 51.0 nyberry	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 15:01 10/30/21 15:01 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 15:01 Analyzed 10/30/21 02:43	Dil Fac

Eurofins Xenco, Midland

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11/1/2021

Project/Site: Hayberry 9 State Com	ons, LLC 502 H	o.i.o.i.	t Sample Re				Job ID: 880)-7556-1
Client Sample ID: #3 6in Hay						Lab San	nple ID: 880-	7556-3
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6"							Matri	ix: Solid
Method: 8015B NM - Diesel Rang			11522		1924	120000000	0.0000000000000000000000000000000000000	1200200
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	<49.9 548	U	49.9	mg/Kg mg/Kg		10/29/21 11:22	10/30/21 15:22 10/30/21 15:22	1
C10-C28)	346		40.0	inging		10/28/21 11.22	10/30/21 13.22	
Oll Range Organics (Over C28-C36)	89.3		49.9	mg/Kg		10/29/21 11:22	10/30/21 15:22	
Successor	%Recovery	Oualifier	Limits			Proposed	Anahand	Dil Fa
Surrogate 1-Chlorooctane	%Recovery 94	quainter	70 - 130			Prepared 10/29/21 11:22	Analyzed 10/30/21 15:22	DII Fa
o-Terphenyl	98		70 - 130			10/29/21 11:22	10/30/21 15:22	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	777		4.98	mg/Kg			10/28/21 02:50	
Date Received: 10/26/21 09:59								
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range		100000000000000000000000000000000000000	DI.	Unit		Prepared	Analyzed	Dil Es
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH		Qualifier	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 11/01/21 12:32	
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte	Result	Qualifier			D	Prepared		
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <49.9 ge Organics (DI	Qualifier U RO) (GC)	49.9	mg/Kg			11/01/21 12:32	
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	49.9 RL	mg/Kg Unit	D	Prepared	11/01/21 12:32 Analyzed	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	49.9 RL	mg/Kg Unit		Prepared	11/01/21 12:32 Analyzed	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 15:44 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38)	Result <49.9 ge Organics (DI Result <49.9 <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GR0)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 15:44 10/30/21 15:44 Analyzed	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oli Range Organics (Over C28-C38) Surrogate 1-Chlorocotane	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 omatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed Analyzed	Dil Fa Dil Fa Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 omatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 10/30/21 15:44	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chrodenalyte Chloride	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 omatography - Result 33.0	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 02:57	Dil Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chrodanyte Chloride Client Sample ID: #5 6in Hay Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 omatography - Result 33.0	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/28/21 02:57	Dil Fa Dil Fa 7556-
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chrodanyte Chloride Client Sample ID: #5 6in Hay Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6"	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 omatography - Result 33.0	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/28/21 02:57	Dil Fa Dil Fa Til Fa
Date Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 110 115 pmatography - Result 33.0 berry Organics (DR)	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 15:44 10/30/21 15:44 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/30/21 15:44 Analyzed 10/28/21 02:57	Dil Fa Dil Fa

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11/1/2021

Project/Site: Hayberry 9 State Co	utions, LLC om 502 H		t Sample Re				Job ID: 880	-7556-1
Client Sample ID: #5 6in Ha						Lab San	nple ID: 880-	7556-5
Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6"							- Control of the Cont	ix: Solic
Method: 8015B NM - Diesel Ra	(2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	0.000	57522					
Analyte		Qualifier	RL 249	Unit	D	Prepared 10/29/21 11:22	Analyzed 10/30/21 16:26	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	3500		248	mg/Kg		10/28/21 11.22	10/30/21 10.20	
Diesel Range Organics (Over C10-C28)	6030		249	mg/Kg		10/29/21 11:22	10/30/21 16:26	500
Oll Range Organics (Over C28-C36)	696		249	mg/Kg		10/29/21 11:22	10/30/21 16:26	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1+	70 - 130			10/29/21 11:22	10/30/21 16:26	2011
o-Terphenyl	113		70 - 130			10/29/21 11:22	10/30/21 16:26	
Method: 300.0 - Anions, Ion Cl	44.7.40	Soluble Qualifier	RL	1124				D3 F-
Analyte Chloride	66.0	Quaimer	24.8	Unit mg/Kg	D	Prepared	Analyzed 10/28/21 03:04	Dil Fa
Chloride	00.0		24.0	manya			10/20/21 00:04	
Sample Depth: 6"								
9 05 05 000 7939		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Sample Depth: 6" Method: 8015 NM - Diesel Ran		TOTAL DESCRIPTION OF THE PARTY	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 11/01/21 12:32	
Sample Depth: 6" Method: 8015 NM - Diesel Ran Analyte Total TPH	Result 1130	Qualifier			D	Prepared		
Sample Depth: 6" Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	Result 1130 inge Organics (DI	Qualifier RO) (GC)	49.9	mg/Kg			11/01/21 12:32	
Sample Depth: 6" Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte	Result 1130 inge Organics (DI	Qualifier RO) (GC) Qualifier		mg/Kg Unit	D D	Prepared Prepared 10/29/21 11:22		Dil Fa
Sample Depth: 6" Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	Result 1130 inge Organics (DI Result	Qualifier RO) (GC) Qualifier	49.9 RL	mg/Kg		Prepared	11/01/21 12:32 Analyzed 10/30/21 16:48	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 1130 inge Organics (DI Result	Qualifier RO) (GC) Qualifier	49.9 RL	mg/Kg Unit		Prepared	11/01/21 12:32 Analyzed	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C8-C10	Result 1130 Inge Organics (DI Result <49.9	Qualifier RO) (GC) Qualifier	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 16:48	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 1130 Inge Organics (DI Result <49.9	Qualifier RO) (GC) Qualifier	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 16:48 10/30/21 16:48	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 1130 Inge Organics (DI Result <49.9 987	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion C1	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography -	Qualifier RO) (GC) Qualifier U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 10/30/21 16:48	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion Cl	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography - Result	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 10/30/21 16:48 Analyzed Analyzed	Dil Fa Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion C1	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography -	Qualifier RO) (GC) Qualifier U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 10/30/21 16:48	Dil Fa Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Cl Analyte Chloride	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography - Result 314	Qualifier RO) (GC) Qualifier U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 10/30/21 16:48 Analyzed Analyzed	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Cl Analyte Chloride Client Sample ID: #6B 6in Ion Cate Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography - Result 314	Qualifier RO) (GC) Qualifier U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/28/21 03:11 nple ID: 880-	Dil Fa Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion Cl Analyte	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography - Result 314 Hayberry	Qualifier RO) (GC) Qualifier U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/28/21 03:11 nple ID: 880-	Dil Fa
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chanalyte Chloride Client Sample ID: #6B 6in Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 1'	Result 1130 Inge Organics (DI Result <49.9 987 147 %Recovery 109 104 hromatography - Result 314 Hayberry ge Organics (DR)	Qualifier RO) (GC) Qualifier U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/30/21 16:48 Analyzed 10/28/21 03:11 nple ID: 880-	Dil Fa Dil Fa

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Client: Environmental Oilfield Solut		Clien	t Sample Re	suits			Job ID: 880	-7556-
Project/Site: Hayberry 9 State Com	200 Sp. 2 400 Sp.					Lab San	ania ID. 990	7556
Client Sample ID: #6B 6in H	ayberry					Lab Sai	nple ID: 880-	
Date Collected: 10/21/21 13:00							Matri	x: Soli
Date Received: 10/26/21 09:59								
Sample Depth: 1'								
Method: 8015B NM - Diesel Ran Analyte	0.000	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9	mg/Kg		10/29/21 11:22	10/30/21 17:09	DII Fa
(GRO)-C6-C10	V40.0	· ·	40.0	mgreg		10/20/21 11.22	10/30/21 17.00	
Diesel Range Organics (Over	741		49.9	mg/Kg		10/29/21 11:22	10/30/21 17:09	
C10-C28)								
Oll Range Organics (Over	112		49.9	mg/Kg		10/29/21 11:22	10/30/21 17:09	
C28-C36)								
	N/D	0 17					10000 0	D7 F
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	94		70 - 130			10/29/21 11:22	10/30/21 17:09	
o-Terphenyl	96		70 - 130			10/29/21 11:22	10/30/21 17:09	
Mathadi 200 0 Aniana Ia- Ch-	omatograph.	Colubia						
Method: 300.0 - Anions, Ion Chr	100 7 100 100 100 100 100 100 100 100 10	Qualifier	RL	Unit	D	Downson		Dil Fa
Analyte	20,000	Quantier			U	Prepared	Analyzed	DII Fa
Chloride	274		4.95	mg/Kg			10/28/21 03:18	
Sample Depth: 6" Method: 8015 NM - Diesel Range		10 TO TO THE PARTY OF THE PARTY						B3.5
Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
Sample Depth: 6" Method: 8015 NM - Diesel Range		Qualifier	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 11/01/21 12:32	
Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH	Result <49.9	Qualifier U			D	Prepared		Dil Fa
Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <49.9 ge Organics (DI	Qualifier U RO) (GC)	49.9	mg/Kg		•	11/01/21 12:32	
Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte	Result <49.9 ge Organics (DI	Qualifier U RO) (GC) Qualifier		mg/Kg Unit	D D	Prepared Prepared 10/29/21 11:22		
Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	49.9 RL	mg/Kg		Prepared	11/01/21 12:32 Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	49.9 RL	mg/Kg Unit		Prepared	11/01/21 12:32 Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 17:30	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 17:30	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38)	Result <49.9 ge Organics (DI Result <49.9 <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane	Result <49.9 ge Organics (Di Result <49.9 <49.9 <49.9 %Recovery 90 97	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 ge Organics (Di Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chr	Result <49.9 ge Organics (Di Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oli Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chr Analyte Chloride	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane 0-Terphenyl Method: 300.0 - Anions, Ion Chranalyte Chloride Client Sample ID: #8 6in Hay	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chr Analyte Chloride Client Sample ID: #8 6in Hay Date Collected: 10/21/21 13:00	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa 7556-
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chr Analyte Chloride Client Sample ID: #8 6in Hay Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chr Analyte Chloride Client Sample ID: #8 6in Hay Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chr Analyte Chloride Client Sample ID: #8 6in Hay Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 6"	Result <49.9 ge Organics (Di Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chranalyte	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 90 97 comatography - Result 122 yberry	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 10/30/21 17:30 Analyzed 10/30/21 17:30 Analyzed 10/28/21 03:40 nple ID: 880-	Dil Fa Dil Fa Dil Fa T556-: ix: Solii

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Eurofins Xenco, Midland

Client: Environmental Oilfield Soluti	ons, LLC	Cilen	t Sample Re	suits			Job ID: 880)-7556-
Project/Site: Hayberry 9 State Com							I ID 000	7550
Client Sample ID: #8 6in Hay	berry					Lab San	nple ID: 880-	
Date Collected: 10/21/21 13:00							Matri	x: Soli
Date Received: 10/26/21 09:59								
Sample Depth: 6"								
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/29/21 11:22	10/30/21 17:52	
Diesel Range Organics (Over C10-C28)	235		50.0	mg/Kg		10/29/21 11:22	10/30/21 17:52	
Oli Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		10/29/21 11:22	10/30/21 17:52	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	106		70 _ 130			10/29/21 11:22	10/30/21 17:52	
o-Terphenyl	109		70 - 130			10/29/21 11:22	10/30/21 17:52	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	A STATE OF THE PARTY OF THE PAR	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	85.3		4.97	mg/Kg			10/28/21 03:47	
Sample Depth: 6"								
Method: 8015 NM - Diesel Range	0.000	A CONTROL SECTION	DI DI	11-2		Burney		Da F-
Method: 8015 NM - Diesel Range Analyte	Result	O) (GC) Qualifier	RL 240	Unit	D	Prepared	Analyzed	
Method: 8015 NM - Diesel Range	0.000	A CONTROL SECTION	RL 249	Unit mg/Kg	D	Prepared	Analyzed 11/01/21 12:32	
Method: 8015 NM - Diesel Range Analyte Total TPH	Result 14700	Qualifier			D	Prepared		
Method: 8015 NM - Diesel Range Analyte	Result 14700 ge Organics (D	Qualifier			D D	Prepared Prepared		
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Result 14700 ge Organics (D	Qualifier RO) (GC)	249	mg/Kg			11/01/21 12:32	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result 14700 ge Organics (Di Result 5510	Qualifier RO) (GC)	249 RL 249	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 14700 ge Organics (Di Result	Qualifier RO) (GC)	249 RL	mg/Kg Unit		Prepared	11/01/21 12:32 Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result 14700 ge Organics (Di Result 5510	Qualifier RO) (GC)	249 RL 249	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	11/01/21 12:32 Analyzed 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 14700 ge Organics (Di Result 5510 8250	Qualifier RO) (GC) Qualifier	249 RL 249 249	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery	Qualifier RO) (GC) Qualifier	249 RL 249 249 249	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery	Qualifier RO) (GC) Qualifier Qualifier	249 RL 249 249 249 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 10/30/21 18:13	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte Chloride	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorocotane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte Chloride Client Sample ID: #9B 6in Ha	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: #9B 6in Ha Date Collected: 10/21/21 13:00	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3	Qualifier RO) (GC) Qualifier Qualifier S1+	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: #9B 6in Ha Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 1' Method: 8015 NM - Diesel Range	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3 ayberry	Qualifier RO) (GC) Qualifier Qualifier S1+ Soluble Qualifier O) (GC)	249 RL 249 249 249 Limits 70 - 130 70 - 130 RL 5.01	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/28/21 04:08 ple ID: 880-7 Matri	ix: Solid
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: #9B 6in Ha Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Sample Depth: 1'	Result 14700 ge Organics (Di Result 5510 8250 971 %Recovery 143 97 omatography - Result 60.3 ayberry	Qualifier RO) (GC) Qualifier Qualifier S1+ Soluble Qualifier	249 RL 249 249 249 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 10/30/21 18:13 10/30/21 18:13 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13 Analyzed 10/30/21 18:13	Dil Fa

Eurofins Xenco, Midland

11/1/2021

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lient: Environmental Oilfield Soluti	ions. LLC	Clien	t Sample Re	suits			Job ID: 880	-7556-
roject/Site: Hayberry 9 State Com	Figure Market Strategy							
Client Sample ID: #9B 6in Ha	ayberry					Lab Sam	ple ID: 880-7	
ate Collected: 10/21/21 13:00							Matri	x: Sol
ate Received: 10/26/21 09:59								
sample Depth: 1'								
Method: 8015B NM - Diesel Rang	ge Organics (DI	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics (GRO)-C6-C10	4790		250	mg/Kg		10/29/21 11:22	10/30/21 18:34	
Diesel Range Organics (Over C10-C28)	3810		250	mg/Kg		10/29/21 11:22	10/30/21 18:34	
Oll Range Organics (Over C28-C36)	435		250	mg/Kg		10/29/21 11:22	10/30/21 18:34	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	120		70 - 130			10/29/21 11:22	10/30/21 18:34	
o-Terphenyl	104		70 - 130			10/29/21 11:22	10/30/21 18:34	
Method: 300.0 - Anions, Ion Chro	And the second s							
Analyte	1000000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	94.8		4.98	mg/Kg			10/28/21 04:16	
eate Received: 10/26/21 09:59 sample Depth: 6"							Maur	х. эо
late Collected: 10/21/21 13:00 late Received: 10/26/21 09:59 lample Depth: 6" Method: 8015 NM - Diesel Range		THE RESERVE TO A STATE OF	PI	Unit	n	Prepared		
eate Received: 10/26/21 09:59 sample Depth: 6"		Qualifier	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 11/01/21 12:32	
ate Received: 10/26/21 09:59 iample Depth: 6" Method: 8015 NM - Diesel Range Analyte	Result	Qualifier		Unit mg/Kg	D	Prepared	Analyzed	
oate Received: 10/26/21 09:59 sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <49.9 ge Organics (DI	Qualifier U RO) (GC)	49.9	mg/Kg			Analyzed 11/01/21 12:32	Dil F
oate Received: 10/26/21 09:59 iample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	49.9 RL	mg/Kg Unit	D D	Prepared	Analyzed 11/01/21 12:32 Analyzed	Dil F
oate Received: 10/26/21 09:59 sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg		Prepared 10/29/21 11:22	Analyzed 11//01/21 12:32 Analyzed 10/30/21 18:58	Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	49.9 RL	mg/Kg Unit		Prepared	Analyzed 11/01/21 12:32 Analyzed	Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 10/29/21 11:22	Analyzed 11//01/21 12:32 Analyzed 10/30/21 18:58	Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56	Dil F
Mate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38)	Result <49.9 ge Organics (DI Result <49.9 <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56	Dil F
Mate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed	Dil F
Mathod: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56	Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56	Dil F Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography -	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 10/30/21 18:56	Dil F Dil F Dil F
Pate Received: 10/26/21 09:59 Sample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography - Result 4050	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56	Dil F Dil F Dil F
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography - Result 4050	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/28/21 04:23 ple ID: 880-7	Dil F Dil F Dil F
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: #11 6in Hai Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography - Result 4050	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/28/21 04:23 ple ID: 880-7	Dil F
Pate Received: 10/26/21 09:59 Cample Depth: 6" Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte Chloride Client Sample ID: #11 6in Hailate Collected: 10/26/21 09:59 Cample Depth: 6"	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography - Result 4050	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/28/21 04:23 ple ID: 880-7	Dil F Dil F Dil F S556-1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chloroctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: #11 6in Hai Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59	Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9 %Recovery 96 104 omatography Result 4050 syberry	Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/29/21 11:22 10/29/21 11:22 10/29/21 11:22 Prepared 10/29/21 11:22 10/29/21 11:22 Prepared	Analyzed 11/01/21 12:32 Analyzed 10/30/21 18:56 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/30/21 18:56 Analyzed 10/28/21 04:23 ple ID: 880-7	Dil F

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Client	Sample	Results
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H

Job ID: 880-7556-1

Client Sample ID: #11 6in Hayberry

Lab Sample ID: 880-7556-13

Analyzed 10/28/21 04:30

Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59 Matrix: Solid

Sample Depth: 6"

Chloride

Dil Fac	
1	
- 4	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<49.9	U	49.9	mg/Kg		10/29/21 11:22	10/30/21 19:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/29/21 11:22	10/30/21 19:17	1
Oli Range Organics (Over C28-C38)	<49.9	U	49.9	mg/Kg		10/29/21 11:22	10/30/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 _ 130			10/29/21 11:22	10/30/21 19:17	1
o-Terphenyl	120		70 - 130			10/29/21 11:22	10/30/21 19:17	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Decult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4.98

mg/Kg

Prepared

219

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Surrogate Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H Job ID: 880-7556-1

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

Matrix: Solid Prep Type: Total/NA

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	Percent Surrogate Recovery (Acceptance Limits)
880-7518-A-21-E MS	Matrix Spike	101	95	
880-7518-A-21-F MSD	Matrix Spike Duplicate	103	97	
880-7556-1	#1 6in Hayberry	99	106	
880-7556-2	#2 6in Hayberry	104	111	
880-7556-3	#3 6in Hayberry	94	98	
880-7556-4	#4 6in Hayberry	110	115	
880-7556-5	#5 6in Hayberry	134 S1+	113	
880-7556-6	#6 6in Hayberry	109	104	
880-7556-7	#6B 6in Hayberry	94	96	
880-7556-8	#7 6in Hayberry	90	97	
880-7556-9	#8 6in Hayberry	108	109	
880-7556-10	#9 6in Hayberry	143 S1+	97	
880-7556-11	#9B 6in Hayberry	120	104	
880-7556-12	#10 6in Hayberry	96	104	
880-7556-13	#11 6in Hayberry	113	120	
CS 880-10924/2-A	Lab Control Sample	93	93	
CSD 880-10924/3-A	Lab Control Sample Dup	87	88	
MB 880-10924/1-A	Method Blank	109	121	
Surrogate Legend				

OTPH = o-Terphenyl

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		Q	C Sample F	Kesu	lts							
lient: Environmental Oilfield Solut roject/Site: Hayberry 9 State Com										Job II	D: 880-	7556-1
ethod: 8015B NM - Diesel	Range Orga	nics (DR	(O) (GC)									
Lab Sample ID: MB 880-10924/1	-A								Client Sa	ample ID: N	Methor	d Blani
Matrix: Solid									Onone or	Prep Ty		
Analysis Batch: 10998										500		: 1092
Allalysis Datch. 10550	ME	3 MB								rich	Dateii	. 1032
1-14-			RL		11-24		D	n.		0		Da F-
nalyte		t Qualifier	50.0		Unit		U		epared 9/21 11:22	Analyze 10/30/21 1		Dil Fa
Basoline Range Organics GRO)-C8-C10	<50.0	U	30.0		mg/K	9		10/2	8/21 11.22	10/30/21 1	10.43	
liesel Range Organics (Over :10-C28)	<50.0	U	50.0		mg/K	9		10/2	9/21 11:22	10/30/21 1	10:43	
II Range Organics (Over C28-C36)	<50.0	U	50.0		mg/K	9		10/2	9/21 11:22	10/30/21 1	10:43	
	ME	в мв										
urrogate	%Recovery	y Qualifier	Limits					P	repared	Analyze	ed	Dil Fa
-Chlorooctane	10	9	70 _ 130					10/2	9/21 11:22	10/30/21 1		
-Terphenyl	12	1	70 _ 130					10/2	9/21 11:22	10/30/21 1	10:43	
ab Sample ID: LCS 880-10924/2	2-A						С	lient	Sample	ID: Lab Co	ontrol 9	Sampl
latrix: Solid										Prep T		
Analysis Batch: 10998										100	Batch	
maryoro Datoni 10000			Spike	LCS	LCS					%Rec.	Dateii	1002
nalyte			Added		Qualifier	Unit		D	%Rec	Limits		
asoline Range Organics			1000	793.0	Quantier	mg/Kg			79	70_130		
GRO)-C8-C10						1610						
iesel Range Organics (Over 10-C28)			1000	1086		mg/Kg			109	70 - 130		
	LCS LC	s										
Surrogate	LCS LC %Recovery Qu	5.4	Limits									
- (5)		5.4	Limits 70 - 130									
-Chlorooctane	%Recovery Qu	5.4										
-Chlorooctane -Terphenyl	%Recovery Qu 93 93	5.4	70 - 130			CI	ient	Sam	nle ID: I	ah Control	I Samr	ole Du
-Chiorooctane -Terphenyl ab Sample ID: LCSD 880-10924	%Recovery Qu 93 93	5.4	70 - 130			CI	ient	Sam	ple ID: L	ab Control		
-Chiorooctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid	%Recovery Qu 93 93	5.4	70 - 130			CI	ient	Sam	ple ID: L	Prep T	ype: T	otal/N
-Chiorooctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid	%Recovery Qu 93 93	5.4	70 - 130 70 - 130	Icen	Icen	CI	ient	Sam	ple ID: L	Prep Ty Prep		otal/N : 1092
-Chlorocctane -Terphenyl ab Sample ID: LCSD 880-10924 latrix: Solid unalysis Batch: 10998	%Recovery Qu 93 93	5.4	70 - 130 70 - 130 Spike	HE W	LCSD Qualifier		ient			Prep Ty Prep %Rec.	ype: To Batch	otal/N : 1092 RP
-Chlorocctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 malyte	%Recovery Qu 93 93	5.4	70 - 130 70 - 130	HE W	LCSD Qualifier	CI Unit mg/Kg	ient	Sam D	ple ID: L %Rec 78	Prep Ty Prep	ype: T	otal/N : 1092 RP Lin
-Chlorocotane -Terphenyl -Ab Sample ID: LCSD 880-10924 -Intrix: Solid -Inalysis Batch: 10998 -Inalyte -Inalyte -Inalyte -Inalyte -Inalyte -Inalyte -Inalyte -Inalyte	%Recovery Qu 93 93	5.4	70 - 130 70 - 130 Spike Added	Result	E 755	Unit	ient		%Rec	Prep Ty Prep %Rec. Limits	ype: To Batch RPD	otal/N : 1092 RP Lin
Chlorooctane Terphenyl ab Sample ID: LCSD 880-10924 latrix: Solid nalysis Batch: 10998 nalyte asoline Range Organics SRO)-C8-C10 iesel Range Organics (Over	%Recovery Qu 93 93	5.4	70 - 130 70 - 130 Spike Added	Result	E 755	Unit	ient		%Rec	Prep Ty Prep %Rec. Limits	ype: To Batch RPD	otal/N : 1092 RP Lim
Chlorooctane Terphenyl ab Sample ID: LCSD 880-10924 latrix: Solid Inalysis Batch: 10998 Inalyte Inaly	%Recovery Qu 93 93	alifier	70 - 130 70 - 130 Spike Added	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 78	Prep Ty Prep %Rec. Limits 70 - 130	ype: To Batch RPD	otal/N : 1092 RP Lim
-Chlorocctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 analyte asoline Range Organics SRO)-C8-C10 iesel Range Organics (Over	%Recovery Qu 93 93 93	alifier SD	70 - 130 70 - 130 Spike Added	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 78	Prep Ty Prep %Rec. Limits 70 - 130	ype: To Batch RPD	otal/N : 1092 RP Lim
-Chlorocctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 analyte asoline Range Organics 3RO)-C8-C10 iesel Range Organics (Over 110-C28)	%Recovery Qu 93 93 4/3-A	alifier SD	70 - 130 70 - 130 Spike Added 1000	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 78	Prep Ty Prep %Rec. Limits 70 - 130	ype: To Batch RPD	otal/N.: 1092 RP Lim
Chlorooctane -Terphenyl ab Sample ID: LCSD 880-10924 latrix: Solid analysis Batch: 10998 nalyte asoline Range Organics SRO)-C8-C10 iesel Range Organics (Over 10-C28) urrogate Chlorooctane	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu	alifier SD	70 - 130 70 - 130 Spike Added 1000 1000	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 78	Prep Ty Prep %Rec. Limits 70 - 130	ype: To Batch RPD	otal/N : 1092 RP Lim
Chlorooctane -Terphenyl ab Sample ID: LCSD 880-10924 latrix: Solid	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88	alifier SD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 76 109	Prep Ty Prep %Rec. Limits 70 - 130	ype: To Batch RPD 5	otal/N : 1092 RF Lim
-Chlorocctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid knalysis Batch: 10998 analyte Sasoline Range Organics SRO)-C8-C10 Sesel Range Organics (Over 10-C28) surrogate -Chlorocctane -Terphenyl ab Sample ID: 880-7518-A-21-E	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88	alifier SD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 76 109	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130	RPD 5	otal/N: 1092 RP Lim 2
Surrogate -Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 Analyte GRO)-C8-C10 Diesel Range Organics (Over 110-C28) Surrogate -Chlorooctane -Terphenyl Lab Sample ID: 880-7518-A-21-E Matrix: Solid Analysis Batch: 10998	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88	alifier SD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 755.4	E 755	Unit mg/Kg	ient		%Rec 76 109	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep Ty	ype: To Batch RPD 5 0	otal/N: 1092 RP Lim 2
-Chlorooctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 analyte Basoline Range Organics GRO)-C8-C10 liesel Range Organics (Over 10-C28) furrogate -Chlorooctane -Terphenyl ab Sample ID: 880-7518-A-21-E Matrix: Solid	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88	alifier SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 755.4 1090	E 755	Unit mg/Kg	ient		%Rec 76 109	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep Ty	RPD 5	otal/N.: 1092 RP Lim 2 2
-Chlorocotane -Terphenyl -Ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 -Malyte -Casoline Range Organics GRO)-C8-C10 Diesel Range Organics (Over 10-C28) -Chlorocotane -Terphenyl -Ab Sample ID: 880-7518-A-21-E	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88	alifier SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130	Result 755.4 1090 MS	Qualifier	Unit mg/Kg	ient		%Rec 76 109	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep Ty	ype: To Batch RPD 5 0	otal/N.: 1092 RP Lim 2 2
-Chlorooctane -Terphenyl ab Sample ID: LCSD 880-10924 Matrix: Solid Analysis Batch: 10998 analyte Basoline Range Organics GRO)-C8-C10 liesel Range Organics (Over 10-C28) aurrogate -Chlorooctane -Terphenyl ab Sample ID: 880-7518-A-21-E Matrix: Solid Analysis Batch: 10998	%Recovery Qu 93 93 4/3-A LCSD LC %Recovery Qu 87 88 E MS Sample Sai	alifier SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130	Result 755.4 1090 MS	Qualifier MS	Unit mg/Kg mg/Kg	ient	D	%Rec 76 109 Client :	Prep TyPrep %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep TyPrep %Rec.	ype: To Batch RPD 5 0	otal/N : 1092 RF Lin :

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Method: 8015B NM - Diesel F	Range O	rganics (DF	(GC)	(Continue	ed)						
Lab Sample ID: 880-7518-A-21-E Matrix: Solid Analysis Batch: 10998	MS							Client	Sample ID: Prep Ty Prep I		tal/N/
	MS	MS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	101	quantities	70_130								
o-Terphenyl	95		70 _ 130								
Lab Sample ID: 880-7518-A-21-F Matrix: Solid	MSD					2.0	Client S	ample ID): Matrix Spi		
Analysis Batch: 10998									12 (1) (2) (1)	Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C8-C10	<49.9	Ü	1000	1011		mg/Kg		101	70 _ 130	1	2
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1091		mg/Kg		108	70 - 130	5	2
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	97		70 - 130								
Method: 300.0 - Anions, Ion (Chromat	ography									
Lab Sample ID: MB 880-10622/1-4 Matrix: Solid	A							Client S	sample ID: M Prep T	lethod ype: S	
Analysis Batch: 10788		MB MB									
		MD MD									
Analyte	R	esult Qualifier		RL	Unit		D P	repared	Analyze	d	Dil Fa
Analyte Chloride				RL 5.00	Unit mg/Kg	1	D F	repared	Analyze 10/28/21 0		Dil Fa
		esult Qualifier				ı			10/28/21 0	1:17	ample
Chloride Lab Sample ID: LCS 880-10622/2		esult Qualifier		5.00	mg/Kg)			10/28/21 0 e ID: Lab Cor Prep T	1:17 ntrol S	ample
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788		esult Qualifier	Spike	5.00 LCS	mg/Kg	235	Clien	Sample	10/28/21 0 Prep T %Rec.	1:17 ntrol S	ample
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte		esult Qualifier	Spike Added	5.00 LCS Result	mg/Kg	Unit		Sample	10/28/21 0 Prep T %Rec. Limits	1:17 ntrol S	ample
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788		esult Qualifier	Spike	5.00 LCS	mg/Kg	235	Clien	Sample	10/28/21 0 Prep T %Rec.	1:17 ntrol S	ample
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte	А.	esult Qualifier	Spike Added	5.00 LCS Result	mg/Kg	Unit mg/Kg	Clien	%Rec	10/28/21 0 Prep T %Rec. Limits 90 - 110	1:17 introl Sa ype: Sa	ample oluble e Dup
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2	А.	esult Qualifier	Spike Added 250	LCS Result 255.3	mg/Kg LCS Qualifier	Unit mg/Kg	Clien	%Rec	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T	ntrol Saype: Sampl	ample olubie e Dup olubie
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2 Matrix: Solid Analysis Batch: 10788	А.	esult Qualifier	Spike Added 250 Spike	LCS Result 255.3	mg/Kg LCS Qualifier	Unit mg/Kg Cli	Client D	%Rec 102	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T %Rec.	ntrol Sampl	ample oluble e Dup oluble
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/ Matrix: Solid	А.	esult Qualifier	Spike Added 250	LCS Result 255.3	mg/Kg LCS Qualifier	Unit mg/Kg	Clien	%Rec	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T	ntrol Saype: Sampl	ample oluble e Dup
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride	А.	esult Qualifier	Spike Added 250 Spike Added	LCS Result 255.3 LCSD Result	mg/Kg LCS Qualifier	Unit mg/Kg Cli	Client D ient San	%Rec 102 mple ID: 103	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T %Rec. Limits	sampl ype: So	e Dupoluble RPI
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: 880-7556-7 MS Matrix: Solid	А.	esult Qualifier	Spike Added 250 Spike Added	LCS Result 255.3 LCSD Result	mg/Kg LCS Qualifier	Unit mg/Kg Cli	Client D ient San	%Rec 102 mple ID: 103	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T %Rec. Limits	sampl ype: So RPD 1	ample e Duploluble RPI Limi 20
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: 880-7556-7 MS	-A '3-A	esult Qualifier	Spike Added 250 Spike Added 250	LCS Result 255.3 LCSD Result 257.7	mg/Kg LCS Qualifier LCSD Qualifier	Unit mg/Kg Cli	Client D ient San	%Rec 102 mple ID: 103	10/28/21 0 Prep T %Rec. Limits 90 - 110 Lab Control Prep T %Rec. Limits 90 - 110 prep T %Rec. Limits 90 - 110	sampl ype: So RPD 1	ample e Duploluble RPI Limi 20
Chloride Lab Sample ID: LCS 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: LCSD 880-10622/2 Matrix: Solid Analysis Batch: 10788 Analyte Chloride Lab Sample ID: 880-7556-7 MS Matrix: Solid	-A 23-A Sample	esult Qualifier	Spike Added 250 Spike Added	LCS Result 255.3 LCSD Result 257.7	mg/Kg LCS Qualifier	Unit mg/Kg Cli	Client D ient San	%Rec 102 mple ID: 103	10/28/21 0 Prep T WRec. Limits 90 - 110 Lab Control Prep T WRec. Limits 90 - 110	sampl ype: So RPD 1	ample e Duploluble RPI Limi 20

QC Sample Results

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QC Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H

Job ID: 880-7556-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7556-7 MSD Matrix: Solid							Cli	ent Sam	ple ID: #6E	6in Hay	10
Analysis Batch: 10788									-	345	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	274		248	509.7		mg/Kg		95	90 - 110	1	20

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H Job ID: 880-7556-1

GC Semi VOA

Prep		

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-7556-1	#1 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-2	#2 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-3	#3 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-4	#4 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-5	#5 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-6	#6 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-7	#6B 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-8	#7 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-9	#8 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-10	#9 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-11	#9B 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-12	#10 6in Hayberry	Total/NA	Solid	8015NM Prep	
880-7556-13	#11 6in Hayberry	Total/NA	Solid	8015NM Prep	
MB 880-10924/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10924/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7518-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-7518-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-1	#1 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-2	#2 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-3	#3 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-4	#4 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-5	#5 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-6	#6 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-7	#6B 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-8	#7 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-9	#8 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-10	#9 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-11	#9B 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-12	#10 6in Hayberry	Total/NA	Solid	8015B NM	10924
880-7556-13	#11 6in Hayberry	Total/NA	Solid	8015B NM	10924
MB 880-10924/1-A	Method Blank	Total/NA	Solid	8015B NM	10924
LCS 880-10924/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10924
LCSD 880-10924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10924
880-7518-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	10924
880-7518-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10924

Analysis Batch: 11118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-1	#1 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-2	#2 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-3	#3 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-4	#4 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-5	#5 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-6	#6 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-7	#6B 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-8	#7 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-9	#8 6in Havberry	Total/NA	Solid	8015 NM	

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Client: Environmental O Project/Site: Hayberry 9	ilfield Solutions, LLC	sociation Summa	У	Jol	D: 880-7556-1
GC Semi VOA (Cor	ntinued)				
Analysis Batch: 11118	(Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-10	#9 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-11	#9B 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-12	#10 6in Hayberry	Total/NA	Solid	8015 NM	
880-7556-13	#11 6in Hayberry	Total/NA	Solid	8015 NM	
HPLC/IC					
Leach Batch: 10622					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-1	#1 6in Hayberry	Soluble	Solid	DI Leach	10
880-7556-2	#2 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-3	#3 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-4	#4 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-5	#5 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-6	#6 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-7	#6B 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-8	#7 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-9	#8 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-10	#9 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-11	#9B 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-12	#10 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-13	#11 6in Hayberry	Soluble	Solid	DI Leach	
MB 880-10822/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10622/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10622/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7556-7 MS	#6B 6in Hayberry	Soluble	Solid	DI Leach	
880-7556-7 MSD	#6B 6in Hayberry	Soluble	Solid	DI Leach	
Analysis Batch: 10788					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-1	#1 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-2	#2 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-3	#3 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-4	#4 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-5	#5 6in Hayberry	Soluble	Solid	300.0	1062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7556-1	#1 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-2	#2 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-3	#3 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-4	#4 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-5	#5 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-6	#8 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-7	#6B 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-8	#7 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-9	#8 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-10	#9 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-11	#9B 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-12	#10 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-13	#11 6in Hayberry	Soluble	Solid	300.0	10622
MB 880-10622/1-A	Method Blank	Soluble	Solid	300.0	10622
LCS 880-10622/2-A	Lab Control Sample	Soluble	Solid	300.0	10622
LCSD 880-10622/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10622
880-7556-7 MS	#6B 6in Hayberry	Soluble	Solid	300.0	10622
880-7556-7 MSD	#6B 6in Hayberry	Soluble	Solid	300.0	10622

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O:		2-1-5 110		Lab	nronicie	3			I-L ID	. 000 7550
Client: Environr Project/Site: Ha		경영화 아이를 살아내는 경험하게 하나 때로							JOD ID	: 880-7556-
Client Samp Date Collected	: 10/21/21 13:0	0						Lab Sam		880-7556- Matrix: Soli
Date Received:	: 10/26/21 09:5	9								
	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			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 14:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 02:21	CH	XEN MID
Client Samp	le ID: #2 6in	Hayberry						Lab Sam	ple ID:	880-7556
Date Collected		The state of the s							and the second second	Matrix: Sol
Date Received:	10/26/21 09:5	9								
	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	- William	1	8-1449-1245		11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1		OMMANGE.	10998	10/30/21 15:01	AJ	XEN MID
Soluble	Leach	Dileach			5.01 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1	0.01 8		10788	10/28/21 02:43	CH	XEN MID
D T	Batch	Batch	D	Dil	Initial	Final	Batch	Prepared		T-E
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 15:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 02:50	CH	XEN MID
Client Samp	le ID: #4 6in	Hayberry						Lab Sam	ple ID:	880-7556
Date Collected Date Received:									86	Matrix: Sol
Date Received	10/20/21 05.5									
	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		18	8.954E03888	10.2517211	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep		40	10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1		<u> </u>	10998	10/30/21 15:44	AJ	XEN MID
Soluble Soluble	Leach	DI Leach		1	5.05 g	50 mL	10622	10/26/21 12:11 10/28/21 02:57	SC	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 02:5/	СН	XEN MID
Client Samp								Lab Sam	ple ID:	880-7556
Date Collected Date Received:									3	Matrix: Soli
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		Total Control
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11118	11/01/21 12:32	AJ	XEN MID

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Lab Chronicle

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Client: Environr	nental Oilfield 9	Solutions LLC		Lab (Chronicle	•			Joh II	D: 880-7556-1
Project/Site: Ha		행정이 하면 없었다. 얼마 하면 하면 하면 하면 하다.							000 1	5. 000-7550-1
Client Samp	le ID: #5 6in	Hayberry						Lab Sam	ple ID:	880-7556-5
Date Collected Date Received:										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	8015NM Prep			10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		5			10998	10/30/21 16:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		5			10788	10/28/21 03:04	CH	XEN MID
Client Samp	le ID: #6 6in	Havberry						Lab Sam	ple ID:	880-7556-6
Date Collected									iG.	Matrix: Solid
Date Received:	10/26/21 09:5	9								
	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			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		5	tectrosme=		10788	10/28/21 03:11	СН	XEN MID
Client Samp	le ID: #6B 6i	n Havberry						Lab Sam	ple ID:	880-7556-7
Date Collected									33	Matrix: Solid
Date Received:	10/26/21 09:5	9								
	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			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1	316-60-7-65		10788	10/28/21 03:18	CH	XEN MID
Client Samp	le ID: #7 6in	Hayberry						Lab Sam	ple ID:	880-7556-8
Date Collected										Matrix: Solid
Date Received:	10/26/21 09:5	9								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		

	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			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 03:40	CH	XEN MID

Client Sample ID: #8 6in Hayberry

Date Collected: 10/21/21 13:00

Matrix: Solid

Date Received: 10/26/21 09:59

	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			11118	11/01/21 12:32	AJ	XEN MID

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Client: Environm				Lab C	chronicle	•				
Project/Site: Hay		경기시위기 시간인 경기에게 하다니?							Job ID	: 880-7556-
Client Sample	e ID: #8 6in	Hayberry						Lab Sam	ple ID: 8	380-7556-9
Date Collected:		The state of the s								Matrix: Solie
Date Received:	10/26/21 09:5	9								
Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10622	10/26/21 12:11	sc	XEN MID
Soluble	Analysis	300.0		1		1000000	10788	10/28/21 03:47	СН	XEN MID
Client Sample Date Collected:								Lab Samp		30-7556-10 Matrix: Solid
Date Received:	10/26/21 09:5	9								
	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			11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		5			10998	10/30/21 18:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	10622	10/26/21 12:11	sc	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 04:08	CH	XEN MID
Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Prep Type Total/NA	Batch Type Analysis	Charleso that	Run	522 - 572	2.5	30 30	0.00 m	Prepared or Analyzed 11/01/21 12:32	Analyst AJ	Lab XEN MID
	Туре	Method	Run	Factor	2.5	30 30	Number	or Analyzed		
Total/NA	Type Analysis	Method 8015 NM	Run	Factor	Amount	Amount	Number 11118	or Analyzed 11/01/21 12:32	AJ	XEN MID
Total/NA Total/NA Total/NA	Type Analysis Prep Analysis	Method 8015 NM 8015NM Prep 8015B NM	Run	Factor 1	Amount 10.02 g	Amount 10 mL	Number 11118 10924 10998	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34	AJ DM	XEN MID XEN MID XEN MID
Total/NA Total/NA	Type Analysis Prep	Method 8015 NM 8015NM Prep	Run	Factor 1	Amount	Amount	Number 11118 10924	or Analyzed 11/01/21 12:32 10/29/21 11:22	AJ DM AJ	XEN MID
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected:	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 n Hayberry	Run	Factor 1	Amount 10.02 g	Amount 10 mL	Number 11118 10924 10998 10622	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11	AJ DM AJ SC CH	XEN MID XEN MID XEN MID XEN MID XEN MID XEN MID 30-7556-12
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected:	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 n Hayberry	Run	Factor 1	Amount 10.02 g	Amount 10 mL	Number 11118 10924 10998 10622	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11 10/28/21 04:16 Lab Samp	AJ DM AJ SC CH	XEN MID XEN MID XEN MID XEN MID XEN MID XEN MID 30-7556-12
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected:	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:55	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0	Run	Factor 1 5	10.02 g 5.02 g	Amount 10 mL 50 mL	Number 11118 10924 10998 10622 10788	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/26/21 12:11 10/28/21 04:16	AJ DM AJ SC CH	XEN MID XEN MID XEN MID XEN MID XEN MID XEN MID 30-7556-12
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected: Date Received:	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:59	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 n Hayberry 0 9	25	Factor 1 5 1	10.02 g 5.02 g	Amount 10 mL 50 mL	Number 11118 10924 10998 10622 10788	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11 10/28/21 04:18 Lab Samp	AJ DM AJ SC CH	XEN MID XEN MID XEN MID XEN MID XEN MID XEN MID 30-7556-1; Matrix: Solid
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected: Date Received:	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:59 Batch Type	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 n Hayberry 0 9	25	Factor 1 5 1 Dill Factor	10.02 g 5.02 g	Amount 10 mL 50 mL	Number 11118 10924 10998 10622 10788 Batch Number	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11 10/28/21 04:16 Lab Samp Prepared or Analyzed 11/01/21 12:32	AJ DM AJ SC CH Ie ID: 88	XEN MID ABOUT SOLITION Lab
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected: Date Received: Prep Type Total/NA	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:55 Batch Type Analysis	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 n Hayberry 0 9 Batch Method 8015 NM	25	Factor 1 5 1 Dill Factor	Amount 10.02 g 5.02 g Initial Amount	Amount 10 mL 50 mL Final Amount	Number 11118 10924 10928 10622 10788 Batch Number 11118	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11 10/28/21 04:16 Lab Samp Prepared or Analyzed 11/01/21 12:32	AJ DM AJ SC CH le ID: 88	XEN MID ATTIX: Solid Lab XEN MID
Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:59 Batch Type Analysis Prep	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 Hayberry Batch Method 8015 NM 8015NM Prep	25	Factor 1 5 1 Dill Factor 1	Amount 10.02 g 5.02 g Initial Amount	Amount 10 mL 50 mL Final Amount	Number 11118 10924 10998 10622 10788 Batch Number 11118 10924	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/28/21 12:11 10/28/21 04:16 Lab Samp Prepared or Analyzed 11/01/21 12:32 10/29/21 11:22	AJ DM AJ SC CH le ID: 88	XEN MID Addrix: Solid Lab XEN MID XEN MID
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Total/NA Total/NA Total/NA Soluble Soluble Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Soluble Soluble Client Sample	Type Analysis Prep Analysis Leach Analysis e ID: #10 6ii 10/21/21 13:0 10/26/21 09:5: Batch Type Analysis Prep Analysis Leach Analysis Leach Analysis e ID: #11 6ii 10/21/21 13:0	Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 Hayberry Batch Method 8015 NM 8015NM Prep 8015B NM DI Leach 300.0 Hayberry The state of the s	25	Factor 1 5 1 Dill Factor 1	Amount 10.02 g 5.02 g Initial Amount	Amount 10 mL 50 mL Final Amount	Number 11118 10924 10928 10622 10788 Batch Number 11118 10924 10998 10622	or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:34 10/26/21 12:11 10/28/21 04:16 Lab Samp Prepared or Analyzed 11/01/21 12:32 10/29/21 11:22 10/30/21 18:56 10/26/21 12:11 10/28/21 04:23	AJ DM AJ SC CH Ie ID: 88 Analyst AJ DM AJ SC CH Ie ID: 88	XEN MID XEN MID XEN MID XEN MID XEN MID 30-7556-12 Matrix: Solid XEN MID
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Eurofins Xenco, Midland

11/1/2021

Lab Chronicle

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H

Job ID: 880-7556-1

Client Sample ID: #11 6in Hayberry

Lab Sample ID: 880-7556-13

Date Collected: 10/21/21 13:00 Date Received: 10/26/21 09:59

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	8015NM Prep			10.03 g	10 mL	10924	10/29/21 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10998	10/30/21 19:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10622	10/26/21 12:11	SC	XEN MID
Soluble	Analysis	300.0		1			10788	10/28/21 04:30	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

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Accreditation/Certification Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H

Job ID: 880-7556-1

The second second

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-21-22	06-30-22
THE following allialytes	are included in this report, of	at the laboratory is not certifi	ied by the governing authority. This list ma	
the agency does not of	fer certification.			,
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	,

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Eurofins Xenco, Midland

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Method Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H Job ID: 880-7556-1

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

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Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Xenco, Midland

11/1/2021

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Sample Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com 502 H Job ID: 880-7556-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-7556-1	#1 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
880-7556-2	#2 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
380-7556-3	#3 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
880-7556-4	#4 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
80-7556-5	#5 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
880-7556-6	#6 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
80-7556-7	#6B 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	1'
80-7556-8	#7 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
80-7556-9	#8 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
80-7556-10	#9 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
80-7556-11	#9B 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	1'
80-7556-12	#10 6in Hayberry	Solid	10/21/21 13:00	10/26/21 09:59	6"
880-7556-13	#11 6in Havberry	Solid	10/21/21 13:00	10/26/21 09:59	6"

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Eurofins Xenco, Midland 11/1/2021

Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg send subcontrators. It isolyte standard terms and conditions world with bases are due to discanditances beyond the control translated. These terms will be enforced unless privately regolated. Relinquished by (Signature) Received	Sb As Ba Be Sb As Ba Be Sb As Ba Be Sb As Ba Be Debter Time Date Time	11	Menne	P	Samo	Mary Mary
VI K Se Ag	As Ba Be Sb As Ba Be As Sa Ba Be As Sa Ba Be As Sanca to all As As Ba Be As	0	100 100			いること
B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn eCd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631/2451/7470/7471 (Sittes and authoritiation, It analysis standard turns and conditions the clinicity authoritiation and conditions and conditions are due to circumstances beyond the control of the clinicity and the control of the control o	As Ba Be 5b As Ba B dns Xinco, he all was incurred by t		Redsived by (Signature)	18	(Signature)	Relinquished by (Signature)
VIK Se Ag	As Ba Be	from clent company to Euro bility for any losses or exper- each sample submitted to E	rand shall not assume any response each project and a charge of \$5 for	ne cost of samples will be applied to e	All the lable only for th arm charge of \$85.00 v	ice. Eurofins Xenco w ins Xenco. Aminimu
	4	8RCRA 13PPM Texas 11 AI Sb As Ba Be B TCLP/SPLP 6010 8RCRA Sb As Ba Be (8RCRA 13PPh zed TCLP/SPI	o be analyz	and Metal(s) to be a	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
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70		O.A	W61 17-19-01		Charles LA	
Sample Comments	E	Depth Comp Cont	Sampled	₹	tification	SS
	Chi	1281	Corrected Temperature	0		otal Containers.
= 110 = 110	-91	6.6	Temperature Reading	1	s. Yes No.	ample Custody Seals.
Na.S.O. Nasco		Par	Correction Factor	3		Cooler Custody Seals.
	1	q	1		_	Samples Received Intact
H. Cod H.	J,	eters	Yes No Wet Ice	emp Blank,	Temp	SAMPLE RECEIPT
HCLHC	4	ed by 4.30pm	the lab, if received by 4.30pm	Jeanno	CARACIE	PO#
Cool Cool				0	1	Project Location
None NO		Code	Mounne			Project Number
ANALYSIS REQUEST Preservative Codes			-	WO STORY	Hughruf 9 State Com 502 h	Project Name
Camilicom Deliverables. BDD	n. cos (SHaffman. cos @	57 Email	832-646-3107	832-6	Phone
Reporting Level II Level II PST/UST TRRP Level IV		City State ZIP	19761	文	U4584	City State ZIP-
roject:		Address.	R	Field Silt	2317 E	Address
Program. UST/PST PRP Brownfields RRC		Company Name	CHILD COLLEGE	matel C	school ne	Company Name
Work Order Comments		Bill to (#different)		Hoffman	277	Project Manager
www.xenco.com Page_						
Chain of Custody Housien, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland TX (432) 704-5440, San Antonio, TX (210) 509-3334 E. Pato TX (915) 385-3443, Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlobad NM (575) 988-3199	hain of (281) 240-4200 (281) 240-4200 (281) 240-5440, Se (15) 385-3443 (Houston, TX Midland TX (4:3 EL Paso TX (9:4 Hobbs NM (5:4)	Environment Testing Xenco	Environm Xenco	-	🔅 eurofins

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	Cotton :	Relinquished by (Signature)	one designation of the state of	Circle Method(s) and Metal(s) to be analyzed					,	5	11	#9B /4 +	Sample Identification	Total Containers	Sample Custody Seals-	Cooler Custody Seals.	Samples Received Intact:	SAMPLE RECEIPT	PO#	Project Location		767	Project Name	Phone	City State Zip-	Address	Company Name	Project Manager			•	eurofins :
	Samuel	signature)	charge of \$85,00 will i	200.8 / 6020: nd Metal(s) to be a					100	The bolls	1	出ると言	cation		Yes No	Yes No N/A		Temp Blank,	COURCIE			Same from	HARRIST OF SELLY COM SON H	832-646-3107	Odessa	2317 Find Sint N	Environmental	Dryc I				fins
4			act of sample act of sample ac applied to	be analy						4	_	5	Matrix		N/A	L		ank.	SAMMA	1		4100	ALL	5-310	×.	5	12/20	Day Har	3	0	Environn	
1/65	M	Hellyd	s and shall not each project a	zed 8						4	-	12-12-0	Date	Corrected 1	Temperature Reading	Correction Factor	Thermometer ID	Yes No	-			1000	6	#	7976	* ~	Profile	0			Environment Testing	
33	MAR	d by (Signature)	valid purchase ordic assume any respon	BRCRA 13PPM TCLP/SPLP						-	100	1001	Time	Corrected Temperature	re Reading	Factor	er#D	Wetice	the lab, if rece	Due Date	100	Roud		Email							sting	
	DK	0	or each sample submit	A 13PPM Texas 11 ALSb As Ba Be B TCLP / SPLP 6010 8RCRA Sb As Ba Be C					0 101	0.9			Depth					Yes No	the lab, if received by 4.30pm		I	ine Buch	Around	5 Hoff	City State ZIP-	Address	Solutions Company Name	Bill to (if different)		EL Pasc Hobbs	Midland	
100	10	Da	to Eurofins X r expenses in ted to Eurofin	RA Sb As		-				_			# of		-			eters			Code	Pres		3.6						, TX (915) 5 , NM (575) 3	on, 1X (28) TX (432) 70	Cna
かわ	200	Date/Time	enco, its affiliates an curred by the client is Xenco, but not an	Ba Be B Co		-		+	-	-				C	410	251		25			+			SHOFFMAN. COSTAMAIL.COM						EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392 7550 Carlsbad, NM (575) 988-3199	Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334	hain of Custody
	2	Relinquis	id subcontractors. If such losses are d salyzed. These term	cr co cu P	10000000						†								V=		1			11.0000						k, TX (806) 794-13 d, NM (575) 988-3	s 1X (214) 902-00 nrio, TX (210) 509	stody
	a.	Relinquished by (Signature)	it assigns standard to ue to circumstances is will be enforced un	11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U																		MANUTOID REQUEST	ALL VOIC BES			- 113				296	-1334	
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	Control control	Date/Time		V Zn 471									Sample Comments	NaOH+Ascorbic Acid SAPC	Zn Acetate+NaOH Zn	aso .	ARIS	Districtions of		MeOH Me	DI Water H ₂ O	Preservative Codes		Other	LevelIII PST/UST TRRP Level IV		RRC Superfund		مر م	1	1	ത

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Login Sample Receipt Checklist

Job Number: 880-7556-1

Client: Environmental Oilfield Solutions, LLC

00D 14011DE1: 00D 7000 1

Login Number: 7556

List Source: Eurofins Xenco, Midland

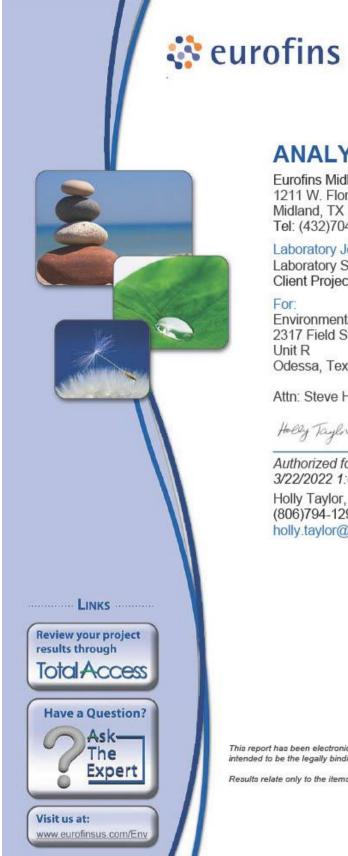
List Num	ber:	1
Creator:	Teel,	Brianna

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.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
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	

Eurofins Xenco, Midland

<6mm (1/4").

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Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-12263-1

Laboratory Sample Delivery Group: Lea County, NM Client Project/Site: Hagberry 9 State COM 502Ht

Environmental Oilfield Solutions, LLC 2317 Field St. Unit R Odessa, Texas 79761

Attn: Steve Hoffman

Holly Taylor

Authorized for release by: 3/22/2022 1:07:48 PM

Holly Taylor, Project Manager (806)794-1296 holly.taylor@eurofinset.com

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

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

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Laboratory Job ID: 880-12263-1

SDG: Lea County, NM

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	Definitions/Glossary	
	nmental Oilfield Solutions, LLC Hagberry 9 State COM 502Ht	Job ID: 880-12263- SDG: Lea County, NN
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO		
Qualifier	Qualifier Description	
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
0	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	: 10 전 :	
POS	Negative / Absent Positive / Present	
	Practical Quantitation Limit	
PQL		
PRES	Presumptive Curity Control	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

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Case Narrative

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

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Job ID: 880-12263-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-12263-1

Comments

No additional comments.

Receipt

The samples were received on 3/9/2022 4:56 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 was 5.1° C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21146 and analytical batch 880-21440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: 9A (880-12263-17), 10A (880-12263-19) and 10B (880-12263-20) at 10.0, 10.0 and 10.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: 7B (880-12263-14) and 8A (880-12263-15) at 10.0 and 100.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: 6A (880-12263-11), 6B (880-12263-12), 7A (880-12263-13) and 10A (880-12263-19) at 100.0, 100.0, 100.0 and 100.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: 10B (880-12263-20) at 100.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: 6B (880-12263-12) at 250.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: 7B (880-12263-14) at 20.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: 10B (880-12263-20) at 500.0. Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: 9A (880-12263-17). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: 2B (880-12263-4). Evidence of matrix interferences is not obvious.

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

General Chemistry

Method 300.0: The following samples required confirmation (CON) due to the continuing calibration blank (CCB) for analytical batch 880-21949 contained Chloride above the reporting limit (RL).: 10A (880-12263-19) and 10B (880-12263-20).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-21310 and analytical batch 880-21970 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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Case Narrative

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

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Job ID: 880-12263-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

Organic Prep

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

VOA Prep

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

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 1A

Lab Sample ID: 880-12263-1

Date Collected: 03/08/22 11:00 Date Received: 03/09/22 16:56 Sample Depth: 0-6in Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U F1	0.00199	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
Toluene	< 0.00199	U F2 F1	0.00199	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
Ethylbenzene	< 0.00199	U F2 F1	0.00199	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
m,p-Xylenes	< 0.00398	U F2 F1	0.00398	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
o-Xylene	< 0.00199	U F2 F1	0.00199	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
Xylenes, Total	<0.00398	U F2 F1	0.00398	mg/Kg		03/13/22 12:58	03/13/22 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70_130			03/13/22 12:58	03/13/22 19:30	1
1,4-Difluorobenzene (Surr)	96		70_130			03/13/22 12:58	03/13/22 19:30	1

 Method: Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00398</td>
 U
 0.00398
 mg/Kg
 03/14/22 14:33
 1

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

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <49.8</td>
 U
 49.8
 mg/Kg
 03/14/22 12:26
 1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) RL Analyte Result Qualifier Unit Analyzed Dil Fac Prepared Gasoline Range Organics <49.8 U 49.8 mg/Kg 03/11/22 13:33 03/13/22 12:41 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 03/11/22 13:33 03/13/22 12:41 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 03/11/22 13:33 03/13/22 12:41 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 03/11/22 13:33 03/13/22 12:41 1-Chlorooctane (Surr) 98 70 - 130 o-Terphenyl (Surr) 106 70 - 130 03/11/22 13:33 03/13/22 12:41 Method: 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result Qualifier
 RL
 Unit mg/Kg
 D Prepared D: 18
 Analyzed Dil Fac D: 18
 Dil Fac D: 18

 Chloride
 20.6
 4.96
 mg/Kg
 03/13/22 00:06
 1

 Client Sample ID: 1B

Date Collected: 03/08/22 11:00 Date Received: 03/09/22 16:56 Sample Depth: 1 ft Lab Sample ID: 880-12263-2 Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 03/13/22 12:58 03/13/22 19:50 Toluene <0.00200 U 0.00200 mg/Kg 03/13/22 12:58 03/13/22 19:50 Ethylbenzene <0.00200 U 0.00200 mg/Kg 03/13/22 12:58 03/13/22 19:50 1 m,p-Xylenes <0.00400 U 0.00400 mg/Kg 03/13/22 12:58 03/13/22 19:50 <0.00200 U 0.00200 03/13/22 12:58 03/13/22 19:50 o-Xylene mg/Kg 1 <0.00400 U 0.00400 03/13/22 12:58 03/13/22 19:50 Xylenes, Total mg/Kg %Recovery Qualifier Limits Analyzed Surrogate Prepared Dil Fac 03/13/22 12:58 03/13/22 19:50 70 130 4-Bromofluorobenzene (Surr) 107

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Client: Environmental Oilfield So Project/Site: Hagberry 9 State C		Cilent	Sample Re	suits		S	Job ID: 880-1 BDG: Lea Cour	
Client Sample ID: 1B Date Collected: 03/08/22 11:00 Date Received: 03/09/22 16:56 Sample Depth: 1 ft					L	ab Sample	e ID: 880-12 Matrix	263-2 c: Solid
Method: 8021B - Volatile Org	anic Compo	unds (GC)	(Continued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	93		70 - 130			03/13/22 12:58	03/13/22 19:50	
Method: Total BTEX - Total B	200000000000000000000000000000000000000	100000000000000000000000000000000000000	8500	172.09524	9255	1 102250195000518	000000000000000000000000000000000000000	22409206
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400		0.00400	mg/Kg			03/14/22 14:33	
Method: 8015 NM - Diesel Ra	A CONTRACTOR OF THE PARTY OF TH		K20	77247-220	123	1 7026 21	在 30 第	20002
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			03/14/22 12:26	
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 13:46	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 13:48	
Oll Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 13:46	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane (Surr)	75		70_130			03/11/22 13:33	03/13/22 13:46	
o-Terphenyl (Surr)	81		70 - 130			03/11/22 13:33	03/13/22 13:46	
Method: 300.0 - Anions, Ion (Chromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	39.4		5.04	mg/Kg			03/13/22 00:15	
Client Sample ID: 2A Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56 Sample Depth: 0-6in					L	ab Sample	e ID: 880-12 Matrix	
Method: 8021B - Volatile Org								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200	mg/Kg		03/14/22 09:09	03/15/22 08:34	
Toluene	<0.00200		0.00200	mg/Kg			03/15/22 06:34	
Ethylbenzene	<0.00200		0.00200	mg/Kg			03/15/22 06:34	
m,p-Xylenes	<0.00399		0.00399	mg/Kg			03/15/22 06:34	
o-Xylene	<0.00200		0.00200	mg/Kg			03/15/22 06:34	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/14/22 09:09	03/15/22 06:34	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	104		70 - 130			03/14/22 09:09	03/15/22 06:34	
1,4-Difluorobenzene (Surr)	93		70 - 130			03/14/22 09:09	03/15/22 06:34	
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:33	
Method: 8015 NM - Diesel Ra	ngo Organio	e (DRO) (C	ec)					
mentou, ovi s NW - Diesel Ka						Description	Amelianed	Dil Fa
Analyte	Recult	Gualitier	161					
Analyte Total TPH	Result <49.9		RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 03/14/22 12:28	DILE

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 2A Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-3

Matrix: Solid

Sample Depth: 0-6in

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 14:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 14:08	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70_130			03/11/22 13:33	03/13/22 14:08	1
o-Terphenyl (Surr)	77		70 - 130			03/11/22 13:33	03/13/22 14:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Unit Prepared Analyzed 03/13/22 00:24 Chloride 4.97 50.6 mg/Kg

Client Sample ID: 2B Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-4

Matrix: Solid

Sample Depth: 1 ft

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		03/14/22 09:09	03/15/22 06:54	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/14/22 09:09	03/15/22 06:54	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/14/22 09:09	03/15/22 06:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/14/22 09:09	03/15/22 06:54	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/14/22 09:09	03/15/22 06:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/14/22 09:09	03/15/22 06:54	81
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
I-Bromofluorobenzene (Surr)	102		70 - 130			03/14/22 09:09	03/15/22 06:54	1
1,4-Difluorobenzene (Surr)	95		70 _ 130			03/14/22 09:09	03/15/22 06:54	1
Method: Total BTEX - Total B7	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/14/22 14:33	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (G	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/14/22 12:26	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	NL.	Ome				
Gasoline Range Organics	Result <49.8	The state of the s	49.8	mg/Kg		03/11/22 13:33	03/13/22 14:29	1
Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over		Ü					03/13/22 14:29	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8	U U	49.8	mg/Kg	_ =	03/11/22 13:33		55
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 <49.8	U U U	49.8	mg/Kg mg/Kg		03/11/22 13:33	03/13/22 14:29	1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr)	<49.8 <49.8 <49.8	U U U	49.8 49.8 49.8	mg/Kg mg/Kg		03/11/22 13:33 03/11/22 13:33	03/13/22 14:29 03/13/22 14:29	1

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		Client	Sample Re	esults						
Client: Environmental Oilfield So Project/Site: Hagberry 9 State C						S	Job ID: 880-1 DG: Lea Cou			
Client Sample ID: 2B Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56 Sample Depth: 1 ft					Lab Sample ID: 880-12263- Matrix: Soli					
Method: 300.0 - Anions, Ion (phy - Solu	ible RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	48.6	quamer	4.98	mg/Kg		Trepared	03/13/22 00:33	1		
OI: C I- ID- 0A						-1 01	ID 000 40	0000 E		
Client Sample ID: 3A Date Collected: 03/08/22 11:20 Date Received: 03/09/22 16:56 Sample Depth: 0-6in						Lab Sample	e ID: 880-12 Matrix	: Solid		
Method: 8021B - Volatile Org			820	7939420	1237	1 7726 - 21	0.5. 0	2002		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200		0.00200	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
Toluene	<0.00200		0.00200	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/14/22 09:09	03/15/22 07:15	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	104		70 - 130			03/14/22 09:09	03/15/22 07:15	1		
1,4-Difluorobenzene (Surr)	95		70 - 130			03/14/22 09:09	03/15/22 07:15	1		
Method: Total BTEX - Total B	TEX Calcula	tion								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:33	1		
Method: 8015 NM - Diesel Ra	nge Organic	s (DRO) (0	GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<50.0	U	50.0	mg/Kg			03/14/22 12:26	1		
Method: 8015B NM - Diesel R	-	Control of the contro	B () () () ()							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 14:51	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 14:51	1		
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 14:51	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	82		70 _ 130			03/11/22 13:33	03/13/22 14:51	1		
o-Terphenyl (Surr)	88		70_130			03/11/22 13:33	03/13/22 14:51	1		
Method: 300.0 - Anions, Ion (Chromatogra	phy - Solu	ible							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	46.3		5.00	mg/Kg			03/13/22 00:42	1		

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00100 11

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 3B Date Collected: 03/08/22 11:20 Lab Sample ID: 880-12263-6

Date Received: 03/09/22 16:56

Matrix: Solid

Sample Depth: 1 ft

Analyte

Benzene

Toluene

Ethylbenzene

m.p-Xvlenes

n	Prepared	Analyzed	Dil Fac
-	3	03/15/22 07:35	1
	03/14/22 09:09	03/15/22 07:35	1
	03/14/22 09:09	03/15/22 07:35	1
	03/14/22 09:09	03/15/22 07:35	1

03/14/22 09:09 03/15/22 07:35

o-Xylene mg/Kg <0.00398 U 0.00398 03/14/22 09:09 03/15/22 07:35 Xvlenes, Total mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 03/14/22 09:09 03/15/22 07:35 4-Bromofluorobenzene (Surr) 70 130 03/44/22 09:09 03/45/22 07:35 1,4-Difluorobenzene (Surr) 96 70 130

RL

0.00199

0.00199

0.00199

0.00398

0.00199

Unit

mg/Kg mg/Kg

mg/Kg

ma/Ka

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RI Unit n Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 03/14/22 14:33 mg/Kg

Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RI Unit Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 03/14/22 12:26 mg/Kg

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit Prepared Analyzed Gasoline Range Organics <50.0 U 03/11/22 13:33 03/13/22 15:12 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 03/11/22 13:33 03/13/22 15:12 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/11/22 13:33 03/13/22 15:12 %Recovery Qualifier Limits Prepared Analyzed Dil Fac

03/11/22 13:33 03/13/22 15:12 1-Chlorooctane (Surr) 79 70 - 130 87 70 - 130 03/11/22 13:33 03/13/22 15:12 o-Terphenyl (Surr)

Dil Fac Analyte Result Qualifier RL Unit Prepared Analyzed Chloride 27.7 4.98 mg/Kg 03/13/22 00:51 Client Sample ID: 4A

Date Collected: 03/08/22 11:30 Date Received: 03/09/22 16:56 Sample Depth: 0-6in

Method: 300.0 - Anions, Ion Chromatography - Soluble

Lab Sample ID: 880-12263-7 Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) RL Analyte Result Qualifier Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 03/10/22 17:00 03/15/22 17:26 mg/Kg 0.00202 03/10/22 17:00 03/15/22 17:28 Toluene 0.00611 mg/Kg 0.00202 03/10/22 17:00 03/15/22 17:26 Ethylbenzene 0.0122 mg/Kg 0.0112 0.00403 03/10/22 17:00 03/15/22 17:26 m,p-Xylenes mg/Kg 0.00202 03/10/22 17:00 03/15/22 17:26 0.00755 o-Xylene mg/Kg Xylenes, Total 0.0188 0.00403 mg/Kg 03/10/22 17:00 03/15/22 17:26 %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 143 S1+ 70 _ 130 03/10/22 17:00 03/15/22 17:26

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Client: Environmental Oilfield Sol Project/Site: Hagberry 9 State Co		Cileili	Sample Re	เอนแอ		S	Job ID: 880-1 DG: Lea Cour	
Client Sample ID: 4A Date Collected: 03/08/22 11:30 Date Received: 03/09/22 16:56 Sample Depth: 0-6in								
Method: 8021B - Volatile Orga	nic Compo	unds (GC)	(Continued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130			03/10/22 17:00	03/15/22 17:26	
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0371		0.00403	mg/Kg		15,10	03/14/22 14:33	
Method: 9015 NM Discal Day	ana Organia	- (DDO) (CCI					
Method: 8015 NM - Diesel Rai			(CO)		_		2.3. 3	D11 F
Analyte		Qualifier	RL 40.0	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.4		49.9	mg/Kg			03/14/22 12:28	
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C8-C10	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 15:33	
Diesel Range Organics (Over	71.4		49.9	mg/Kg		03/11/22 13:33	03/13/22 15:33	9
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 15:33	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	79	-	70 _ 130			03/11/22 13:33	03/13/22 15:33	
o-Terphenyl (Surr)	88		70 - 130			03/11/22 13:33	03/13/22 15:33	
Method: 300.0 - Anions, Ion C	bromatogra	nhy Sol	ublo					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.2	Quainier	5.04	mg/Kg		Frepareu	03/13/22 03:00	DII Fac
					_		The same of the sa	
Client Sample ID: 4B Date Collected: 03/08/22 11:30 Date Received: 03/09/22 16:56 Sample Depth: 1 ft						ab Sample	e ID: 880-12 Matrix	: Solid
Method: 8021B - Volatile Orga								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	197	0.00200	mg/Kg			03/15/22 17:48	
Toluene	<0.00200		0.00200	mg/Kg			03/15/22 17:48	- 1
Ethylbenzene	<0.00200		0.00200	mg/Kg			03/15/22 17:48	
m,p-Xylenes	<0.00399		0.00399	mg/Kg			03/15/22 17:46	
o-Xylene	<0.00200		0.00200	mg/Kg			03/15/22 17:46	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/14/22 17:00	03/15/22 17:48	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130			03/14/22 17:00	03/15/22 17:46	
1,4-Difluorobenzene (Surr)	112		70 - 130			03/14/22 17:00	03/15/22 17:46	,
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:33	1
Method: 8015 NM - Diesel Rai			A COLUMN TO THE REAL PROPERTY OF THE PARTY O					
Method: 8015 NM - Diesel Rai Analyte Total TPH		Qualifier	GC) RL 50.0	Unit mg/Kg	D	Prepared	Analyzed 03/14/22 12:26	Dil Fac

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Client: Environmental Oilfield So Project/Site: Hagberry 9 State C		CHEIR	Sample Re	Julia		S	Job ID: 880-1 DG: Lea Cour	
Client Sample ID: 4B Date Collected: 03/08/22 11:30					L	ab Sample	ID: 880-12 Matrix	263-8 : Solid
Date Received: 03/09/22 16:56 Sample Depth: 1 ft								
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 15:54	1
Diesel Range Organics (Over C10-C28)	<50.0		50.0	mg/Kg			03/13/22 15:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 15:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 _ 130			03/11/22 13:33	03/13/22 15:54	1
o-Terphenyl (Surr)	111		70 - 130			03/11/22 13:33	03/13/22 15:54	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1	F1	5.00	mg/Kg			03/21/22 17:35	1
Client Sample ID: 5A Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56 Sample Depth: 0-6in					L	ab Sample	e ID: 880-12 Matrix	263-9 :: Solid
Method: 8021B - Volatile Orga	anic Compo	unds (GC)						
Analyte	2000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	Ü	0.00199	mg/Kg	= =	03/14/22 17:00	03/15/22 18:07	- 1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/14/22 17:00	03/15/22 18:07	-
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/14/22 17:00	03/15/22 18:07	
m,p-Xylenes	<0.00398		0.00398	mg/Kg		03/14/22 17:00		
o-Xylene	< 0.00199		0.00199	mg/Kg			03/15/22 18:07	
Xylenes, Total	< 0.00398		0.00398	mg/Kg			03/15/22 18:07	8
5	4/ D	O	F 5			D	4	D2 C-
Surrogate	%Recovery	Quaimer	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	107 112		70 - 130 70 - 130				03/15/22 18:07 03/15/22 18:07	1
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	< 0.00398	U	0.00398	mg/Kg			03/14/22 14:33	1
Total BTEX								
Total BTEX Method: 8015 NM - Diesel Rai	nge Organic	s (DRO) (0	GC)					
		s (DRO) (O Qualifier	GC)	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Rai				Unit mg/Kg	D	Prepared	Analyzed 03/14/22 12:28	
Method: 8015 NM - Diesel Rai Analyte Total TPH	Result 8090	Qualifier	RL 250		_ <u>D</u>	Prepared		
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R	Result 8090 ange Organi	Qualifier ics (DRO)	RL 250	mg/Kg	D D	The state of	03/14/22 12:28	1
Method: 8015 NM - Diesel Rai Analyte Total TPH	Result 8090 ange Organi	Qualifier	RL 250		D	Prepared		Dil Fac
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R Analyte	Result 8090 ange Organi Result	Qualifier ics (DRO)	RL 250 (GC)	mg/Kg Unit	_ D	Prepared 03/11/22 13:33	03/14/22 12:26 Analyzed	Dil Fac
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10	Result 8090 ange Organ Result 669	Qualifier ics (DRO)	RL 250 (GC) RL 250	mg/Kg Unit mg/Kg	_ D	Prepared 03/11/22 13:33 03/11/22 13:33	03/14/22 12:26 Analyzed 03/14/22 07:10	Dil Fac
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 8090 ange Organi Result 669 6760	Qualifier ics (DRO) Qualifier	RL 250 (GC) RL 250 250 250	mg/Kg Unit mg/Kg mg/Kg	_ <u>D</u>	Prepared 03/11/22 13:33 03/11/22 13:33 03/11/22 13:33	03/14/22 12:26 Analyzed 03/14/22 07:10 03/14/22 07:10 03/14/22 07:10	Dil Fac
Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 8090 ange Organi Result 669	Qualifier ics (DRO) Qualifier	(GC) RL 250 250	mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 03/11/22 13:33 03/11/22 13:33 03/11/22 13:33 Prepared	03/14/22 12:26 Analyzed 03/14/22 07:10 03/14/22 07:10	Dil Fac

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		Client	Sample Re	esults							
Client: Environmental Oilfield Soli Project/Site: Hagberry 9 State CC						S	Job ID: 880-1 DG: Lea Cou				
Client Sample ID: 5A					L	ab Sample	D: 880-12	263-9			
Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56 Sample Depth: 0-6in						Matrix: Soli					
Method: 300.0 - Anions, Ion Cl				122727	_		200				
Analyte Chloride	267	Qualifier	RL 24.8	Unit mg/Kg	D	Prepared	Analyzed 03/21/22 18:01	Dil Fac			
Cilionae	201		24.0	mg/r/g			03/2//22 10:01				
Client Sample ID: 5B					La	b Sample	ID: 880-122	263-10			
Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56 Sample Depth: 1 ft							Matrix	c: Solid			
Method: 8021B - Volatile Orga			BI.		_		2.33	Dil E			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	0.00659		0.00200	mg/Kg		03/14/22 17:00	03/15/22 18:27	1			
Toluene	0.00218		0.00200	mg/Kg			03/15/22 18:27	1			
Ethylbenzene	0.0237		0.00200	mg/Kg			03/15/22 18:27	1			
m,p-Xylenes			0.00200	mg/Kg			03/15/22 18:27	1			
o-Xylene	0.00204		0.00200	mg/Kg			03/15/22 18:27	1			
Xylenes, Total	0.0145		0.00400	mg/Kg		03/14/22 17:00	03/15/22 18:2/	- 1			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	121		70 - 130			03/14/22 17:00	03/15/22 18:27	1			
1,4-Difluorobenzene (Surr)	97		70 - 130			03/14/22 17:00	03/15/22 18:27	1			
Method: Total BTEX - Total BT	EX Calcula	tion									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Total BTEX	0.0470		0.00400	mg/Kg			03/14/22 14:33	1			
Method: 8015 NM - Diesel Ran	ge Organic	s (DRO) (C	GC)								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Total TPH	2050		49.9	mg/Kg			03/14/22 12:28	1			
Method: 8015B NM - Diesel Ra	nge Organ	ics (DRO)	(GC)								
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Gasoline Range Organics (GRO)-C6-C10	635		49.9	mg/Kg		03/11/22 13:33	03/13/22 16:37	1			
Diesel Range Organics (Over C10-C28)	1280		49.9	mg/Kg		03/11/22 13:33	03/13/22 16:37	1			
Oll Range Organics (Over C28-C36)	137		49.9	mg/Kg		03/11/22 13:33	03/13/22 16:37	1			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac			
1-Chlorooctane (Surr)	103		70 - 130			03/11/22 13:33	03/13/22 16:37	1			
o-Terphenyl (Surr)	89		70 - 130			03/11/22 13:33	03/13/22 16:37	1			
Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Soli	ıble								
Analyte	at the second second second second	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	139	1	4.97	mg/Kg			03/21/22 18:10	1			

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Client: Environmental Oilfield S Project/Site: Hagberry 9 State (Sample Re			S	Job ID: 880-1 DG: Lea Cou	
Client Sample ID: 6A Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56 Sample Depth: 0-6in								
Method: 8021B - Volatile Org				122724		1 (12/10/10/04/24)	52 S (20 T S)	20020
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.00583		0.00200	mg/Kg			03/15/22 18:47	
Toluene	0.167			mg/Kg			03/15/22 18:4/	
Ethylbenzene	25.4		0.201 0.402	mg/Kg		03/16/22 08:30	03/16/22 20:11	10
m,p-Xylenes o-Xylene	61.7 30.0		0.201	mg/Kg mg/Kg		03/16/22 08:30	03/16/22 20:11	10
Xylenes, Total	91.7		0.402	mg/Kg			03/16/22 20:11	10
1023			5.1102					
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		S1+	70 _ 130				03/15/22 18:47	
1,4-Difluorobenzene (Surr)	95		70 _ 130			03/14/22 17:00	03/15/22 18:47	
Method: Total BTEX - Total I	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	117	0	0.402	mg/Kg			03/14/22 14:33	
Method: 8015 NM - Diesel R	ange Organic	s (DRO) (0	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	5550		50.0	mg/Kg			03/14/22 12:26	
Method: 8015B NM - Diesel	Dange Organ	ice (DDO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	2040		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:19	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	3190		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:19	
Oll Range Organics (Over C28-C36)	320		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:19	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	127		70 _ 130				03/13/22 17:19	
o-Terphenyl (Surr)	70		70 - 130			03/11/22 13:33	03/13/22 17:19	
Method: 300.0 - Anions, Ion		Company of the second			_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	110		5.00	mg/Kg			03/21/22 18:19	
Client Sample ID: 6B late Collected: 03/08/22 12:0 late Received: 03/09/22 16:5 sample Depth: 1 ft					La	ib Sample	ID: 880-122 Matrix	
Method: 8021B - Volatile Org Analyte		unds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.00495	Quantitet	0.00200	mg/Kg			03/15/22 19:08	DIITA
Toluene	0.0656		0.00200	mg/Kg			03/15/22 19:08	
Ethylbenzene	26.2		0.199	mg/Kg			03/16/22 20:31	10
m,p-Xylenes	0.0223		0.00399	mg/Kg			03/15/22 19:08	
				89				
o-Xylene	38.3		0.199	mg/Kg		03/16/22 08:30	03/16/22 20:31	10

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Client Sampl	e Results
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 6B Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-12

Matrix: Solid

Samp	le De	epth:	1 ft

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	649	S1+	70 - 130			03/14/22 17:00	03/15/22 19:08	
1,4-Difluorobenzene (Surr)	97		70 - 130			03/14/22 17:00	03/15/22 19:08	
Method: Total BTEX - Total B	STEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	64.6		0.199	mg/Kg			03/14/22 14:33	
Method: 8015 NM - Diesel Ra	ange Organic	s (DRO) (0	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	5770		50.0	mg/Kg			03/14/22 12:26	
Method: 8015B NM - Diesel I	Range Organ	ics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	1730		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:40	
Diesel Range Organics (Over C10-C28)	3690		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:40	
Oll Range Organics (Over C28-C36)	354		50.0	mg/Kg		03/11/22 13:33	03/13/22 17:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	125	-	70 - 130			03/11/22 13:33	03/13/22 17:40	
o-Terphenyl (Surr)	80		70 - 130			03/11/22 13:33	03/13/22 17:40	
Method: 300.0 - Anions, Ion	Chromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	111		4.98	mg/Kg	-		03/21/22 18:28	

Client Sample ID: 7A Lab Sample ID: 880-12263-13 Matrix: Solid

Date Collected: 03/08/22 12:15 Date Received: 03/09/22 16:56 Sample Depth: 0-6in

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U	0.200	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
Toluene	2.44		0.200	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
Ethylbenzene	1.41		0.200	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
m,p-Xylenes	3.24		0.401	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
o-Xylene	1.78		0.200	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
Xylenes, Total	5.02		0.401	mg/Kg		03/16/22 08:30	03/16/22 20:52	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	-	70 _ 130			03/16/22 08:30	03/16/22 20:52	100
1,4-Difluorobenzene (Surr)	90		70 _ 130			03/16/22 08:30	03/16/22 20:52	100
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	8.87	Ç.	0.401	mg/Kg			03/14/22 14:33	1

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Analyzed

Analyzed

03/21/22 18:54

Prepared

Prepared

03/11/22 13:33 03/13/22 18:01

03/11/22 13:33 03/13/22 18:01

Dil Fac

Dil Fac

Matrix: Solid

		Client S	Sample Re	esults				
Client: Environmental Oilfield Sol Project/Site: Hagberry 9 State CC			50000000 A ■ 145000 00 2560			8	Job ID: 880-1 SDG: Lea Cou	
Client Sample ID: 7A Date Collected: 03/08/22 12:15 Date Received: 03/09/22 16:56 Sample Depth: 0-6in					La	ab Sample	ID: 880-122 Matrix	: Solid
Method: 8015 NM - Diesel Ran			(0.000)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1620	· (DDO) (6	49.9	mg/Kg			03/14/22 12:26	1
Method: 8015B NM - Diesel Ra			E 1000					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 18:01	1
Diesel Range Organics (Over C10-C28)	1480		49.9	mg/Kg		03/11/22 13:33	03/13/22 18:01	1
Oll Range Organics (Over	141		49.9	mg/Kg		03/11/22 13:33	03/13/22 18:01	1

Unit

250 4.98 Chloride mg/Kg Client Sample ID: 7B Lab Sample ID: 880-12263-14 Date Collected: 03/08/22 12:15

%Recovery Qualifier

100

92

Result Qualifier

Method: 300.0 - Anions, Ion Chromatography - Soluble

Date Received: 03/09/22 16:56 Sample Depth: 1 ft

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

C28-C36)

Surrogate

Analyte

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.0198	U	0.0198	mg/Kg	- 1000	03/15/22 12:43	03/16/22 02:17	10
Toluene	< 0.0198	U	0.0198	mg/Kg		03/15/22 12:43	03/16/22 02:17	10
Ethylbenzene	< 0.0198	U	0.0198	mg/Kg		03/15/22 12:43	03/16/22 02:17	10
m,p-Xylenes	0.0858		0.0797	mg/Kg		03/17/22 10:00	03/17/22 17:20	20
o-Xylene	< 0.0198	U	0.0198	mg/Kg		03/15/22 12:43	03/16/22 02:17	10
Xylenes, Total	< 0.0397	U	0.0397	mg/Kg		03/15/22 12:43	03/16/22 02:17	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130			03/15/22 12:43	03/16/22 02:17	10
1,4-Difluorobenzene (Sum)	92		70 - 130			03/15/22 12:43	03/16/22 02:17	10
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0858		0.0797	mg/Kg			03/14/22 14:33	1

Limits

70 - 130

70.130

RL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	666		49.9	mg/Kg			03/14/22 12:26	1
Method: 8015B NM - Diesel Ra	nge Organ	ics (DRO) (G	iC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 18:22	1
Diesel Range Organics (Over C10-C28)	610		49.9	mg/Kg		03/11/22 13:33	03/13/22 18:22	1

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Client: Environmental Oilfield So	lutions LLC	Cilen	t Sample Re	esuits			Job ID: 880-1	2263-1
Project/Site: Hagberry 9 State Co						S	DG: Lea Cou	
Client Sample ID: 7B Date Collected: 03/08/22 12:15 Date Received: 03/09/22 16:56 Sample Depth: 1 ft					La	b Sample	ID: 880-122 Matrix	: Solid
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC) (Continue	d)				
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	56.1		49.9	mg/Kg		03/11/22 13:33	03/13/22 18:22	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	101	-	70 - 130				03/13/22 18:22	
o-Terphenyl (Surr)	103		70 - 130			03/11/22 13:33	03/13/22 18:22	
Method: 300.0 - Anions, Ion C		The second second	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.04	mg/Kg			03/21/22 19:03	1
Client Sample ID: 8A Date Collected: 03/08/22 13:00 Date Received: 03/09/22 16:56 Sample Depth: 0-6in					La	ib Sample	ID: 880-122 Matrix	: Solid
Method: 8021B - Volatile Orga	COLUMN TO THE PARTY OF THE PART	The second second)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.233		0.200	mg/Kg		03/15/22 12:43	03/16/22 02:38	10
Toluene	0.220		0.200	mg/Kg		03/15/22 12:43	03/16/22 02:38	100
Ethylbenzene	<0.200	U	0.200	mg/Kg		03/15/22 12:43	03/16/22 02:38	100
m,p-Xylenes	< 0.400	U	0.400	mg/Kg		03/15/22 12:43	03/16/22 02:38	10
o-Xylene	<0.200	157	0.200	mg/Kg			03/16/22 02:38	100
Xylenes, Total	<0.400	U	0.400	mg/Kg		03/15/22 12:43	03/16/22 02:38	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	122	-	70 - 130			03/15/22 12:43	03/16/22 02:38	10
1,4-Difluorobenzene (Surr)	107		70 _ 130			03/15/22 12:43	03/16/22 02:38	10
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.453	0	0.400	mg/Kg			03/14/22 14:33	- 8
Method: 8015 NM - Diesel Rai	The state of the s	The Control of the Co	The state of the s	11-24			************	Dit E
Analyte Total TPH	Hesuit 156	Qualifier	RL 50.0	Unit	D	Prepared	Analyzed 03/14/22 12:28	Dil Fa
Method: 8015B NM - Diesel R	953	ics (DRO)		mg/Kg			03/14/22 12:20	
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C8-C10	<50.0		50.0	mg/Kg		03/11/22 13:33	03/13/22 18:43	
Diesel Range Organics (Over C10-C28)	156		50.0	mg/Kg		03/11/22 13:33	03/13/22 18:43	15
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 18:43	8
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	97		70 - 130			03/11/22 13:33	03/13/22 18:43	
o-Terphenyl (Surr)	109		70 - 130			03/11/22 13:33	03/13/22 18:43	9
Method: 300.0 - Anions, Ion C								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	261		24.9	mg/Kg			03/21/22 19:12	

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 8B

Lab Sample ID: 880-12263-16

Date Collected: 03/08/22 13:00 Date Received: 03/09/22 16:56 Sample Depth: 1 ft Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
Toluene	< 0.00201	U	0.00201	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
m,p-Xylenes	< 0.00402	U	0.00402	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
o-Xylene	0.0383		0.00201	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
Xylenes, Total	0.0383		0.00402	mg/Kg		03/15/22 12:43	03/16/22 07:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 _ 130			03/15/22 12:43	03/16/22 07:39	1
1,4-Difluorobenzene (Surr)	106		70_130			03/15/22 12:43	03/16/22 07:39	1

 Method: Total BTEX - Total BTEX Calculation

 Analyte
 Result Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 0.0383
 0.00402
 mg/Kg
 03/14/22 14:33
 1

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

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Factorial F

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Analyzed Dil Fac Prepared <49 9 U 03/11/22 13:33 03/13/22 19:04 Gasoline Range Organics 49.9 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 03/11/22 13:33 03/13/22 19:04 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 03/11/22 13:33 03/13/22 19:04 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 03/11/22 13:33 03/13/22 19:04 1-Chlorooctane (Surr) 101 o-Terphenyl (Surr) 116 70 - 130 03/11/22 13:33 03/13/22 19:04

 Method: 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 429
 4.99
 mg/Kg
 03/21/22 19:21
 1

Client Sample ID: 9A
Date Collected: 03/08/22 13:10
Lab Sample ID: 880-12263-17
Matrix: Solid

Date Received: 03/09/22 16:56 Sample Depth: 0-6in

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200	mg/Kg		03/11/22 11:16	03/16/22 06:19	10
Toluene	< 0.0200	U	0.0200	mg/Kg		03/11/22 11:16	03/16/22 06:19	10
Ethylbenzene	< 0.0200	U	0.0200	mg/Kg		03/11/22 11:16	03/16/22 06:19	10
m,p-Xylenes	< 0.0401	U	0.0401	mg/Kg		03/11/22 11:16	03/16/22 06:19	10
o-Xylene	< 0.0200	U	0.0200	mg/Kg		03/11/22 11:16	03/16/22 06:19	10
Xylenes, Total	<0.0401	U	0.0401	mg/Kg		03/11/22 11:16	03/16/22 08:19	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	53	S1-	70_130			03/11/22 11:16	03/16/22 06:19	10

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Analyte

Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 9A

Lab Sample ID: 880-12263-17

Date Collected: 03/08/22 13:10 Date Received: 03/09/22 16:56 Sample Depth: 0-6in

Matrix: Solid

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

Result Qualifier

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/11/22 11:16	03/16/22 06:19	10
Method: Total BTEX - Total	al BTEX Calcula	tion				

RL Unit Prepared Analyzed Dil Fac 0.0401 03/14/22 14:33 mg/Kg

Total BTEX <0.0401 U Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte RL Unit Result Qualifier Prepared Analyzed Dil Fac

Total TPH 50.0 03/14/22 12:28 mg/Kg Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared 03/11/22 13:33 03/13/22 19:25 Gasoline Range Organics <50.0 U 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 50.0 03/11/22 13:33 03/13/22 19:25 51.7 mg/Kg C10-C28) 03/11/22 13:33 03/13/22 19:25 Oll Range Organics (Over C28-C38) <50.0 U 50.0 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

03/11/22 13:33 03/13/22 19:25 1-Chlorooctane (Surr) 124 70 130 135 S1+ 70 - 130 03/11/22 13:33 03/13/22 19:25 o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chromatography - Soluble

RL Unit Analyte Result Qualifier Prepared Analyzed Dil Fac Chloride 244 5.00 03/21/22 19:30 mg/Kg Client Sample ID: 9B Lab Sample ID: 880-12263-18

Date Collected: 03/08/22 13:10 Date Received: 03/09/22 16:56 Sample Depth: 1 ft

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		03/11/22 11:16	03/16/22 06:40	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/11/22 11:16	03/16/22 06:40	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/11/22 11:16	03/16/22 06:40	1
m,p-Xylenes	< 0.00398	U	0.00398	mg/Kg		03/11/22 11:16	03/16/22 06:40	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/11/22 11:16	03/16/22 06:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/11/22 11:16	03/16/22 06:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			03/11/22 11:16	03/16/22 06:40	- 1
1,4-Difluorobenzene (Surr)	96		70 - 130			03/11/22 11:16	03/16/22 06:40	1
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/14/22 14:33	1
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	(C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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03/14/22 12:26

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49.9

mg/Kg

54.9

3/22/2022

Total TPH

Client	Sample	Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 9B Lab Sample ID: 880-12263-18 Date Collected: 03/08/22 13:10

Date Received: 03/09/22 16:56 Sample Depth: 1 ft

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 19:48	1
Diesel Range Organics (Over C10-C28)	54.9		49.9	mg/Kg		03/11/22 13:33	03/13/22 19:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/11/22 13:33	03/13/22 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70_130			03/11/22 13:33	03/13/22 19:46	1
o-Terphenyl (Surr)	100		70 - 130			03/11/22 13:33	03/13/22 19:46	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.95	mg/Kg			03/21/22 19:39	

Client Sample ID: 10A Lab Sample ID: 880-12263-19 Date Collected: 03/08/22 13:30 Matrix: Solid

RL

0.201

0.201

0.201

0.402

0.201

0.402

Limits

70 - 130

70_130

RL

RI

49.9

RL

49.9

49.9

49.9

70 - 130

70 _ 130

0.402

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

Unit

Unit

mg/Kg

ma/Ka

mg/Kg

mg/Kg

mg/Kg

Date Received: 03/09/22 16:56 Sample Depth: 0-6in

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene (Surr)

Gasoline Range Organics

Oll Range Organics (Over

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Diesel Range Organics (Over

1,4-Difluorobenzene (Surr)

m,p-Xylenes

o-Xvlene

Surrogate

Analyte

Analyte

Analyte

C10-C28)

C28-C36) Surrogate

(GRO)-C6-C10

Total TPH

Total BTEX

Method: 8021B - Volatile Organic Compounds (GC)

Method: Total BTEX - Total BTEX Calculation

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

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

Result Qualifier

<0.201 U

9.50

11.5

34.6

15.4

50.0

%Recovery Qualifier

79

77

71.0

Result Qualifier

Result Qualifier

Result Qualifier

788

3760

397

%Recovery Qualifier

125

84

D	Prepared	Analyzed	Dil Fac
-	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
	Prepared	Analyzed	Dil Fac
	03/16/22 08:30	03/16/22 21:12	100
	03/16/22 08:30	03/16/22 21:12	100
D	Prepared	Analyzed	Dil Fac
2200		03/14/22 14:33	1
D	Prepared	Analyzed	Dil Fac
		03/14/22 12:26	1
D	Prepared	Analyzed	Dil Fac
	03/11/22 13:33	03/13/22 20:07	1
	03/11/22 13:33	03/13/22 20:07	1

03/11/22 13:33 03/13/22 20:07

03/11/22 13:33 03/13/22 20:07

03/11/22 13:33 03/13/22 20:07

Analyzed

Prepared

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Dil Fac

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 10A

Lab Sample ID: 880-12263-19

Date Collected: 03/08/22 13:30 Date Received: 03/09/22 16:56 Matrix: Solid

Sample Depth: 0-6in

				5
D	Prepared	Analyzed	Dil Fac	
		03/20/22 11:42	1	

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit Chloride 118 4.98 mg/Kg Client Sample ID: 10B

Lab Sample ID: 880-12263-20 Matrix: Solid

Date Received: 03/09/22 16:56 Sample Depth: 1 ft

Date Collected: 03/08/22 13:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.198	U	0.198	mg/Kg		03/16/22 09:01	03/16/22 18:15	100
Toluene	110		1.00	mg/Kg		03/17/22 08:30	03/17/22 16:23	500
Ethylbenzene	67.7		1.00	mg/Kg		03/17/22 08:30	03/17/22 16:23	500
m,p-Xylenes	128		2.00	mg/Kg		03/17/22 08:30	03/17/22 16:23	500
o-Xylene	34.8		0.198	mg/Kg		03/16/22 09:01	03/16/22 18:15	100
Xylenes, Total	189		2.00	mg/Kg		03/17/22 08:30	03/17/22 16:23	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	241	S1+	70 - 130			03/16/22 09:01	03/16/22 18:15	100
1,4-Difluorobenzene (Surr)	103		70 - 130			03/16/22 09:01	03/16/22 18:15	100

Method: Total BTEX - Total E Analyte	CARL CONTRACTOR OF THE PARTY OF	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	341		2.00	mg/Kg			03/14/22 14:33	1
Method: 8015 NM - Diesel Ra	ange Organic	s (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3600		50.0	mg/Kg			03/14/22 12:28	1
Method: 8015B NM - Diesel	Range Organ	ics (DRO)	(GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1460		50.0	mg/Kg		03/11/22 13:33	03/13/22 20:28	1
Diesel Range Organics (Over C10-C28)	1950		50.0	mg/Kg		03/11/22 13:33	03/13/22 20:28	1
Oll Range Organics (Over C28-C36)	192		50.0	mg/Kg		03/11/22 13:33	03/13/22 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			03/11/22 13:33	03/13/22 20:28	1
o-Terphenyl (Surr)	95		70 - 130			03/11/22 13:33	03/13/22 20:28	1
Method: 300.0 - Anions, Ion	Chromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.3		5.00	mg/Kg			03/20/22 11:53	1

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Surrogate Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		0.7595		nt Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-12263-1	1A	112	96	
880-12263-1 MS	1A	112	95	
880-12263-1 MSD	1A	2911 S1+	176 S1+	
380-12263-2	1B	107	93	
880-12263-3	2A	104	93	
380-12263-4	2B	102	95	
380-12263-5	3A	104	95	
380-12263-6	3B	94	96	
380-12263-7	4A	143 S1+	90	
380-12263-8	4B	105	112	
380-12263-9	5A	107	112	
380-12263-10	5B	121	97	
380-12263-11	6A	378 S1+	95	
880-12263-12	6B	649 S1+	97	
380-12263-13	7A	94	90	
380-12263-14	7B	53 S1-	92	
380-12263-15	8A	122	107	
380-12263-16	8B	108	106	
380-12263-17	9A	53 S1-	102	
380-12263-18	9B	120	96	
380-12263-19	10A	79	77	
380-12263-20	10B	241 S1+	103	
CS 880-21146/1-A	Lab Control Sample	94	98	
CS 880-21290/1-A	Lab Control Sample	95	99	
CS 880-21301/1-A	Lab Control Sample	105	113	
CS 880-21489/1-A	Lab Control Sample	91	100	
LCS 880-21653/1-A	Lab Control Sample	108	113	
LCS 880-21671/1-A	Lab Control Sample	96	100	
LCS 880-21696/1-A	Lab Control Sample	101	111	
CS 880-21697/1-A	Lab Control Sample	98	100	
LCS 880-21705/1-A	Lab Control Sample	102	112	
CSD 880-21146/2-A	Lab Control Sample Dup	97	101	
LCSD 880-21290/2-A	Lab Control Sample Dup	99	98	
CSD 880-21301/2-A	Lab Control Sample Dup	105	113	
CSD 880-21489/2-A	Lab Control Sample Dup	94	101	
CSD 880-21653/2-A	Lab Control Sample Dup	103	112	
CSD 880-21671/2-A	Lab Control Sample Dup	117	94	
CSD 880-21696/2-A	Lab Control Sample Dup	103	112	
CSD 880-21697/2-A	Lab Control Sample Dup	99	100	
CSD 880-21705/2-A	Lab Control Sample Dup	105	107	
MB 880-21012/5-A	Method Blank	95	100	
MB 880-21146/5-A	Method Blank	97	99	
MB 880-21215/5-B	Method Blank	97	102	
MB 880-21213/5-B	Method Blank	95	98	
MB 880-21301/5-A	Method Blank	101	104	
MB 880-21477/5-B	Method Blank	97	100	
MB 880-21489/5-B	Method Blank	96	100	
MB 880-21653/5-A MB 880-21671/5-A	Method Blank Method Blank	100 97	103 99	

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Surrogate Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

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

Matrix: Solid Prep Type: Total/NA

			Perce	nt Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)	
MB 880-21696/5-A	Method Blank	101	104	
MB 880-21697/5-A	Method Blank	97	100	
MB 880-21705/5-A	Method Blank	101	103	
Surrogate Legend				

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

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

Prep Type: Total/NA Matrix: Solid

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	Surrogate Recovery (Acceptance Limits)
880-12263-1	1A	98	106	
880-12263-1 MS	1A	96	83	
880-12263-1 MSD	1A	85	77	
880-12263-2	1B	75	81	
880-12263-3	2A	72	77	
880-12263-4	2B	68 S1-	71	
880-12263-5	3A	82	88	
880-12263-6	3B	79	87	
880-12263-7	4A	79	88	
880-12263-8	4B	104	111	
880-12263-9	5A	128	121	
880-12263-10	5B	103	89	
880-12263-11	6A	127	70	
880-12263-12	6B	125	80	
880-12263-13	7A	100	92	
880-12263-14	7B	101	103	
880-12263-15	8A	97	109	
880-12263-16	8B	101	116	
880-12263-17	9A	124	135 S1+	
880-12263-18	9B	89	100	
880-12263-19	10A	125	84	
880-12263-20	10B	116	95	
LCS 880-21393/2-A	Lab Control Sample	116	118	
LCSD 880-21393/3-A	Lab Control Sample Dup	114	116	
MB 880-21393/1-A	Method Blank	109	139 S1+	
Surrogate Legend				

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Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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oject/Site: Hagberry 9 Star ethod: 8021B - Volat		Compou	nds (GC)						SDG: Lea Cou	iny, ivivi
	Alleria particular	ompou	nus (GC)				5,2975	250	O CENTE IS	725 P
Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21440		11.57283					Cli	ent Samp	ole ID: Method Prep Type: T Prep Batch	otal/NA
Analyte		MB t Qualifier	R	i.	Unit		D F	repared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020		mg/K		-		03/13/22 07:08	1
Toluene	<0.0020		0.0020		mg/K	50		11/22 16:00		1
Ethylbenzene	<0.0020		0.0020	53	mg/K	500			03/13/22 07:08	1
n,p-Xylenes	<0.0040		0.0040	E3	mg/K	76			03/13/22 07:08	1
o-Xylene	<0.0020		0.0020		mg/K	70			03/13/22 07:08	1
Kylenes, Total	< 0.0040		0.0040		mg/K	700			03/13/22 07:08	1
A.	М	з мв								
Surrogate	%Recover		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	9		70 - 130				Coperations		03/13/22 07:08	1
1,4-Difluorobenzene (Surr)	10		70 - 130						03/13/22 07:08	1
	44 4015 -						-	d Car		LDL .
Lab Sample ID: MB 880-2	A-C/d411						Cli	ent Samp	ole ID: Method	
Matrix: Solid									Prep Type: T	
Analysis Batch: 21440	203								Prep Batch	: 21146
200-200-00		3 MB	9300		112237/41		un ne		201 (201) (201) (201)	2002230001
Analyte	1900000	t Qualifier	0.0000	01	Unit			repared	Analyzed	Dil Fac
Benzene 	<0.0020		0.0020		mg/K	98			03/13/22 19:01	1
Toluene	<0.0020	163	0.0020		mg/K	500		13/22 12:58		1
Ethylbenzene	<0.0020		0.0020		mg/K	23			03/13/22 19:01 03/13/22 19:01	1
m,p-Xylenes	<0.0040		0.0040		mg/K	(50)			03/13/22 19:01	: :1
o-Xylene Xylenes, Total	<0.0020 <0.0040		0.0020		mg/K mg/K	_			03/13/22 19:01	1
Ayleries, rotal	V0.0040		0.0040	U	mg/rs	9	USI	13/22 12.30	03/13/22 19:01	3 39
	M	B MB								
Surrogate	%Recover	y Qualifier	Limits				F	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	9		70 - 130				27073	13/22 12:58		1
1,4-Difluorobenzene (Surr)	9	9	70 - 130				03/	13/22 12:58	03/13/22 19:01	1
Lab Sample ID: LC\$ 880- Matrix: Solid Analysis Batch: 21440	21146/1-A					Clie	nt Sa	mple ID:	Lab Control : Prep Type: T Prep Batch	otal/NA
284725925			Spike		LCS	9022982	1200	71926 <u>2</u> 1991	%Rec.	
Analyte	332 332	2.00	Added		Qualifier	Unit	D	10000000	Limits	
Benzene r			0.100	0.09993		mg/Kg		100	70 - 130	
Toluene			0.100	0.09490		mg/Kg		95	70 - 130	
Ethylbenzene			0.100	0.09416		mg/Kg		94	70_130	
n,p-Xylenes			0.200	0.2203		mg/Kg		110	70 - 130	
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130	
	LCS LC	Tabasa a								
Surrogate	%Recovery Q	ıalifier	Limits							
			70 - 130							
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	94 98		70 - 130							

130 5 35 Eurofins Midland

Prep Batch: 21146

%Rec.

Limits

70_130

D %Rec

105

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LCSD LCSD

0.1051

Result Qualifier

Unit

mg/Kg

Spike

Added

0.100

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RPD Limit

RPD

Analysis Batch: 21440

Analyte

Benzene

QC Sampl	e Resul	ts
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Lab Sample ID: LCSD 880-21146/2-A

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 1A

Client Sample ID: Lab Control Sample Dun

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

Matrix: Solid Analysis Batch: 21440				pio	IOT Lui	Prep Ty	pe: Tot	al/NA	
Tillaryolo Batolii ETTIO	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.09886		mg/Kg		99	70 - 130	5	35
m,p-Xylenes	0.200	0.2316		mg/Kg		116	70 - 130	5	35
o-Xylene	0.100	0.1131		mg/Kg		113	70_130	5	35

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

Lab Sample ID: 880-12263-1 MS Matrix: Solid Analysis Batch: 21440

Analysis Batch: 21440 Sample Sample Spike MS MS									Prep Type: Total/NA Prep Batch: 21146 %Rec.		
Analyte		Sample	Added		MS Qualifier	Unit	D	%Rec	™Rec. Limits		
Benzene	< 0.00199		0.100	0.04828		mg/Kg	_ =	48	70 - 130	-	
Toluene	< 0.00199	U F2 F1	0.100	0.05479	F1	mg/Kg		54	70 - 130		
Ethylbenzene	< 0.00199	U F2 F1	0.100	0.06147	F1	mg/Kg		61	70_130		
m,p-Xylenes	<0.00398	U F2 F1	0.200	0.1430		mg/Kg		71	70_130		
o-Xylene	< 0.00199	U F2 F1	0.100	0.07492		mg/Kg		75	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-12263-1 MSD Client Sample ID: 1A Matrix: Solid Prep Type: Total/NA Analysis Batch: 21440 Prep Batch: 21146 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit RPD Limit Benzene <0.00199 UF1 0.0996 0.04152 F1 mg/Kg 42 70 - 130 15 35

0.002562 F2 F1

mg/Kg

2

70_130

Client Sample ID: Method Blank

182

Prep Type: Total/NA Prep Batch: 21215

35

0.0996

Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 2911 S1+		MSD	MSD	
4-Bromofluorohenzene (Surr) 2911 S1+	Surrogate	%Recovery	Qualifier	Limits
T-Divinoliuolobelizelle (Juli)	4-Bromofluorobenzene (Surr)	2911	S1+	70 - 130

<0.00199 U F2 F1

1,4-Difluorobenzene (Surr) 176 S1+ 70 - 130 Lab Sample ID: MB 880-21215/5-B Matrix: Solid

Analysis Batch: 21615

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/22 16:00	03/15/22 11:59	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		03/14/22 16:00	03/15/22 11:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		03/14/22 16:00	03/15/22 11:59	1

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Toluene

roject/Site: Hagberry 9 Sta	d Solutions, LLC te COM 502Ht								SDG: Lea (
lethod: 8021B - Volat		omnou	nds (GC)	(Conti	nued)				DO. LCa V	Journ	.,,
		ompou	103 (00)	(COIII	ilueuj		011				D 1
Lab Sample ID: MB 880-2	21215/5-B						Cli	ent Samp	ole ID: Met		
Matrix: Solid									Prep Type		
Analysis Batch: 21615									Prep Ba	itch:	2121:
Surrogate	ME %Recovery	MB Qualifier	Limits				70	Prepared	Analyze	d	Dil Fa
4-Bromofluorobenzene (Surr)	9		70 . 130				-	14/22 16:00	Charles and the second second		Diria
1,4-Difluorobenzene (Surr)	103		70_130						03/15/22 1		
Lab Sample ID: MB 880-2 Matrix: Solid	21290/5-A						Cli	ent Samp	ole ID: Met		
Analysis Batch: 21615									Prep Ba		
	ME	MB									
Analyte	Resul	Qualifier	RI	29	Unit	1) F	Prepared	Analyze	d	Dil Fa
Benzene	<0.00200	U	0.00200)	mg/K	g	03/	11/22 11:16	03/15/22 23	3:34	
Toluene	<0.00200	U	0.00200)	mg/K	g	03/	11/22 11:16	03/15/22 23	3:34	
Ethylbenzene	< 0.00200	U	0.00200)	mg/K	g	03/	11/22 11:16	03/15/22 23	3:34	
m,p-Xylenes	<0.00400	U	0.00400)	mg/K	g	03/	11/22 11:16	03/15/22 23	3:34	
o-Xylene	<0.00200	U	0.00200)	mg/K	g	03/	11/22 11:16	03/15/22 23	3:34	
Xylenes, Total	<0.00400	U	0.00400)	mg/K	9	03/	11/22 11:16	03/15/22 23	3:34	
	ME	MB									
Surrogate	%Recovery	Qualifier	Limits				1	Prepared	Analyze	ď	Dil Fa
							117.5				
4-Bromofluorobenzene (Surr)	98	5	70 - 130					/11/22 11:16	03/15/22 23	3:34	
1,4-Difluorobenzene (Sum) Lab Sample ID: LCS 880-	9					Clie	03/	/11/22 11:16	03/15/22 2: Lab Cont	3:34 rol S	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615	9		70 - 130 70 - 130 Spike		LCS		03/ 03/ nt S a	11/22 11:16 Imple ID:	03/15/22 2: Lab Conti Prep Type Prep Ba %Rec.	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte	9		70 - 130 70 - 130 Spike Added	Result	LCS Qualifier	Unit	03/	/11/22 11:16 ample ID: %Rec	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene	9		70 - 130 70 - 130 Spike Added 0.100	Result 0.09296		Unit mg/Kg	03/ 03/ nt S a	%Rec 93	03/15/22 23 Lab Conti Prep Type Prep Ba %Rec. Limits 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene	9		70 - 130 70 - 130 Spike Added 0.100 0.100	Result 0.09296 0.09412		Unit mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94	03/15/22 2: Lab Conti Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene	9		70 - 130 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.09296 0.09412 0.09181		Unit mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Sum) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	9		70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200	Result 0.09296 0.09412 0.09181 0.2221		Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92 111	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene	9		70 - 130 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.09296 0.09412 0.09181		Unit mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Sum) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	9		70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200	Result 0.09296 0.09412 0.09181 0.2221		Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92 111	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Sum) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	9(21290/1-A	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200	Result 0.09296 0.09412 0.09181 0.2221		Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92 111	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	21290/1-A LCS LC **Recovery Qu 95	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 U.200 0.100	Result 0.09296 0.09412 0.09181 0.2221		Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Sum) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene	21290/1-A LCS LC %Recovery Qu	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100	Result 0.09296 0.09412 0.09181 0.2221		Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nt S a	%Rec 93 94 92	03/15/22 23 Lab Contr Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	3:34 rol S e: To	ampl
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 U.200 0.100	Result 0.09296 0.09412 0.09181 0.2221	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ 03/ D	%Rec 93 94 92 111 108	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: To	e Du
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 886	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 Elimits 70 - 130	Result 0.09296 0.09412 0.09181 0.2221 0.1078	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ 03/ D	%Rec 93 94 92 111 108	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type Prep Ba	ample: To	e Dutal/N.
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21615	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 U.200 0.100	Result 0.09296 0.09412 0.09181 0.2221 0.1078	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: To	e Du tal/N. 2129
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21615 Analyte	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike	Result 0.09296 0.09412 0.09181 0.2221 0.1078	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108	03/15/22 2: Lab Control Solution of the Prep Type Prep Ba %Rec. Limits 70 - 130 70 -	ample: To	e Du tal/N. 2129 e Du tal/N. 2129 RP Lim
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21615 Analyte Benzene	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added	Result 0.09296 0.09412 0.09181 0.2221 0.1078	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108	03/15/22 2: Lab Control Solution of the property of the proper	ample: To	ee Dutal/N. 2129 RP Lim 3
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100	Result 0.09296 0.09412 0.09181 0.2221 0.1078	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108 ED: Lab	03/15/22 2: Lab Control Seprep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 Control Seprep Type Prep Ba %Rec. Limits 70 - 130	ample: Toutch: RPD 5	e Du tal/N. 2129 RP Lim
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100	Result 0.09296 0.09412 0.09181 0.2221 0.1078 LCSD Result 0.09821 0.09710	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108 ID: Lab	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 Control Sc Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130	ample: To	ee Dutal/N. 2129
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	21290/1-A LCS LC %Recovery Qu 95 99	s	70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.09296 0.09412 0.09181 0.2221 0.1078 LCSD Result 0.09821 0.09710 0.09525	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108 WRec 98 97 95	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 Control Sc Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Total	ee Dutal/N. 2129
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid	21290/1-A LCS LC %Recovery Qu 95 99 0-21290/2-A	S	70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.200	Result 0.09296 0.09412 0.09181 0.2221 0.1078 LCSD Result 0.09821 0.09710 0.09525 0.2293	Qualifier	Unit mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108 WRec 98 97 95 115	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: To ttch: RPD 5 3 4 3	ee Dultal/N. 2129
1,4-Difluorobenzene (Surr) Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21615 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	21290/1-A LCS LC %Recovery Qu 95 99	S salifier	70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.200	Result 0.09296 0.09412 0.09181 0.2221 0.1078 LCSD Result 0.09821 0.09710 0.09525 0.2293	Qualifier	Unit mg/Kg	03/ 03/ nnt Sa	%Rec 93 94 92 111 108 WRec 98 97 95 115	03/15/22 2: Lab Control Prep Type Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: To ttch: RPD 5 3 4 3	amplital/N/2129

3/22/2022

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roject/Site: Hagberry 9 Sta	ile COM 3021 II									577	DG: Lea ((- 7/6 :	·y, · · · · ·
lethod: 8021B - Volat	ile Organic	Com	pou	nds (GC) (Conti	nued)							
Lab Sample ID: LCSD 886 Matrix: Solid	0-21290/2-A					(Client S	am	ple		Control S Prep Type	e: To	tal/NA
Analysis Batch: 21615											Prep Ba	tch:	21290
	LCSD	CSD											
Surrogate	%Recovery	Qualifie	r	Limits									
1,4-Difluorobenzene (Surr)	98	3.4		70 _ 130									
Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21616	21301/5-A								Clie		le ID: Me Prep Type Prep Ba	e: To	tal/NA
		ив мв											
Analyte	Res	ult Qua	alifier	RL		Unit		D	Pi	repared	Analyze	d	Dil Fac
Benzene	<0.002	00 U		0.00200		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
Toluene	< 0.002	00 U		0.00200		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
Ethylbenzene	< 0.002	00 U		0.00200		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
m,p-Xylenes	< 0.004	00 U		0.00400		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
o-Xylene	< 0.002	00 U		0.00200		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
Xylenes, Total	<0.004	00 U		0.00400		mg/K	g		03/1	4/22 17:00	03/15/22 12	2:00	1
	,	ив мв											
Surrogate	%Recov			Limits					Pi	repared	Analyze	d	Dil Fac
4-Bromofluorobenzene (Surr)		01		70 - 130							03/15/22 1		1
1,4-Difluorobenzene (Surr)		04		70 - 130							03/15/22 1		1
Analysis Batch: 21616											Prep Typ		
				Spike	LCS	LCS					Prep Ba		The same of
Analyte				Spike Added		LCS Qualifier	Unit		D		Prep Ba		The same of
EV-			-0-				Unit mg/Kg		D	%Rec	Prep Ba %Rec.		The same of
Benzene				Added	Result				D	%Rec 116	Prep Ba %Rec. Limits		The same of the
Benzene Toluene				Added 0.100	Result 0.1158		mg/Kg		D	%Rec 116 114	Prep Ba %Rec. Limits 70 - 130		The same of
Benzene Toluene Ethylbenzene				0.100 0.100	Result 0.1156 0.1138		mg/Kg mg/Kg		D	%Rec 118 114 113	Prep Ba %Rec. Limits 70 - 130 70 - 130		The same of the
Benzene Toluene Ethylbenzene m.p-Xylenes				Added 0.100 0.100 0.100	0.1156 0.1138 0.1135		mg/Kg mg/Kg mg/Kg		D	%Rec 116 114 113 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130		The same of the
Benzene Toluene Ethylbenzene m.p-Xylenes	ICS	CS	-0	0.100 0.100 0.100 0.100 0.200	Result 0.1156 0.1138 0.1135 0.2358		mg/Kg mg/Kg mg/Kg mg/Kg		D	%Rec 116 114 113 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		The same of
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene	LCS			Added 0.100 0.100 0.100 0.200 0.100	Result 0.1156 0.1138 0.1135 0.2358		mg/Kg mg/Kg mg/Kg mg/Kg		D	%Rec 116 114 113 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		The same of
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate	LCS %Recovery			0.100 0.100 0.100 0.100 0.200	Result 0.1156 0.1138 0.1135 0.2358		mg/Kg mg/Kg mg/Kg mg/Kg		D	%Rec 116 114 113 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		The same of the
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	%Recovery			Added 0.100 0.100 0.100 0.100 0.200 0.100 Limits	Result 0.1156 0.1138 0.1135 0.2358		mg/Kg mg/Kg mg/Kg mg/Kg		D	%Rec 116 114 113 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		The same of
Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid	%Recovery 105 113			0.100 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130	Result 0.1156 0.1138 0.1135 0.2358	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam		%Rec 116 114 113 118 114	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	ampl	e Dup
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid	%Recovery 105 113			0.100 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130	Result 0.1158 0.1138 0.1135 0.2358 0.1139	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam		%Rec 116 114 113 118 114	Prep Ba %Rec. Limits 70-130 70-130 70-130 70-130 70-130	ample: To	e Dup tal/NA 21301
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616	%Recovery 105 113			Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 70 - 130	Result 0.1156 0.1138 0.1135 0.2358 0.1139	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	ian	nple	%Rec 118 114 113 118 114	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Frep Typ Prep Ba %Rec.	ampl e: To ttch:	e Dup tal/NA 21301 RPC
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte	%Recovery 105 113		·	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 70 - 130 Spike Added	Result 0.1158 0.1138 0.1135 0.2358 0.1139	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	ian	nple	%Rec 118 114 113 118 114 ID: Lab (Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control S Prep Typ Prep Ba %Rec. Limits	ample: Tottch:	e Dup tal/NA 21301 RPC Limit
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene	%Recovery 105 113		,	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 70 - 130 Spike Added 0.100	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 118 114 113 118 114 ID: Lab (Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control S Prep Typ Prep Ba %Rec. Limits 70 - 130	ample: Too	e Dup tal/NA 21301 RPD Limit
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene	%Recovery 105 113			Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	ian	nple	%Rec 118 114 113 118 114 ID: Lab (%Rec 120 118	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control S Prep Typ Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130	ample: Tooktch:	e Duptal/NA21301 RPD Limit
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene	%Recovery 105 113		,	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.1156 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 118 114 113 118 114 ID: Lab (Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Tooktch: RPD 4 2 3	e Duptal/NA21301 RPD Limi 36 36
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	%Recovery 105 113			Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100 0.200	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167 0.2424	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 116 114 113 118 114 ID: Lab (%Rec 120 116 117 121	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Too	e Dup tal/NA 21301 RPD Limit 35 35 35
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	%Recovery 105 113			Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.1156 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 116 114 113 118 114 ID: Lab (%Rec 120 116 117 121	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Tooktch: RPD 4 2 3	e Dup
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	%Recovery 105 113	Qualifie		Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100 0.200	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167 0.2424	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 116 114 113 118 114 ID: Lab (%Rec 120 116 117 121	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Too	e Duptal/NA 21301 21301 Elmi 36 36 36 36
Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate	%Recovery 105 113 0-21301/2-A LCSD %Recovery	Qualifie CSD		Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.100 0.100 0.100 Limits	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167 0.2424	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	ian	nple	%Rec 116 114 113 118 114 ID: Lab (%Rec 120 116 117 121	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Too	e Dup tal/NA 21301 RPD Limit 35 35 35
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21616 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	%Recovery 105 113 0-21301/2-A	Qualifie CSD		Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.100 0.200 0.100	Result 0.1158 0.1138 0.1135 0.2358 0.1139 LCSD Result 0.1199 0.1164 0.1167 0.2424	Qualifier (mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	iam	nple	%Rec 116 114 113 118 114 ID: Lab (%Rec 120 116 117 121	Prep Ba %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ample: Too	e Dup tal/NA 21301 RPD Limit 35 35 35

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Dil Fac

QC Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Lab Sample ID: MB 880-21477/5-B

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: Method Blank

Analyzed

Client Sample ID: Lab Control Sample

Prepared

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

Matrix: Solid Analysis Batch: 21466							Prep Type: To Prep Batch	
120223	270000000000000000000000000000000000000	MB	822	122727	-20		0200020000	2022
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
Toluene	< 0.00200	U	0.00200	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/22 08:50	03/14/22 11:34	1
	MB	МВ						

%Recovery Qualifier Surrogate 4-Bromofluorobenzene (Surr) 97 70 - 130 03/14/22 08:50 03/14/22 11:34 1,4-Difluorobenzene (Surr) 100 70 _ 130 03/14/22 08:50 03/14/22 11:34 Lab Sample ID: MB 880-21489/5-B Client Sample ID: Method Blank

Limits

Matrix: Solid

403/3-0							otal/NA
		RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
< 0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
< 0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
< 0.00400	U	0.00400	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
< 0.00200	U	0.00200	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
< 0.00400	U	0.00400	mg/Kg		03/14/22 09:09	03/14/22 23:09	1
	MB Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 <0.00200	MB MB Result Qualifier <0.00200 U <0.00200 U <0.00200 U <0.00400 U <0.00200 U <0.00200 U	MB MB Result Qualifier RL <0.00200 U 0.00200 <0.00200 U 0.00200 <0.00200 U 0.00200 <0.00400 U 0.00400 <0.00200 U 0.00200	MB MB Result Qualifier RL Unit <0.00200	MB MB Result Qualifier RL Unit D <0.00200	MB MB Result Qualifier RL Unit D Prepared <0.00200	Prep Type: To Prep Batch: MB MB Result Qualifier RL Unit D Prepared Analyzed

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/14/22 09:09	03/14/22 23:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/14/22 09:09	03/14/22 23:09	1

Lab Sample ID: LCS 880-21489/1-A

Matrix: Solid Analysis Batch: 21466						ildelin i i	Prep Type: Total/NA Prep Batch: 21489
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09616		mg/Kg		96	70 - 130
Toluene	0.100	0.09326		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09241		mg/Kg		92	70_130
m,p-Xylenes	0.200	0.2160		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1045		mg/Kg		105	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1 4-Difluorobenzene (Surr)	100		70 130

Lab Sa Matrix:

Analys

ample ID: LCSD 880-21489/2-A			(Client Sa	mple	ID: Lab	Control !	Sample	e Dup
c: Solid					177		Prep Ty	pe: Tot	al/NA
sis Batch: 21466							Prep B	atch: 2	21489
	Spike	LCSD	LCSD				%Rec.		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
e	0.100	0.09887		mg/Kg		99	70_130	3	35

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3/22/2022

Analyte Benzene

rojectrone. Hagberry 5 cha	te COM 502F	IT.						3	SDG: Lea	Cour	ity, ivii
lethod: 8021B - Volat	ile Organio	Compou	nds (GC)	(Conti	nued)						
Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 21466	0-21489/2-A				(Client Sar	mple		Prep Typ Prep Ba	e: To	tal/N
Annual Control of Cont			Spike	LCSD	LCSD				%Rec.		RPI
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Toluene			0.100	0.09533		mg/Kg		95	70 - 130	2	3
Ethylbenzene			0.100	0.09407		mg/Kg		94	70 - 130	2	
m,p-Xylenes			0.200	0.2204		mg/Kg		110	70 - 130	2	
o-Xylene			0.100	0.1079		mg/Kg		108	70_130	3	3
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	94	- Junior	70 _ 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
,,-,,-,,	855		44,000								
Lab Sample ID: MB 880-2	1653/5-A						Clie	ent Samp	ole ID: Me	thod	Blan
Matrix: Solid									Prep Typ	e: To	tal/N
Analysis Batch: 21616									Prep Ba	atch:	2165
		мв мв									
Analyte	Re	sult Qualifier	RL		Unit	D) P	repared	Analyze	d	Dil F
Benzene	<0.00	200 U	0.00200		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
oluene	<0.00	200 U	0.00200		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
Ethylbenzene	<0.00	200 U	0.00200		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
n,p-Xylenes	<0.00	1400 U	0.00400		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
o-Xylene	<0.00	1200 U	0.00200		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
Kylenes, Total	<0.00	1400 U	0.00400		mg/K	g	03/1	15/22 12:43	03/15/22 2	3:10	
		мв мв									
Surrogate	%Reco		Limits				F	repared	Analyze	hd	Dil F
1-Bromofluorobenzene (Surr)		100	70 - 130						03/15/22 2		
1,4-Difluorobenzene (Surr)		103	70_130				SERVE		03/15/22 2	10000	
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21616	21653/1-A		Cailea	LCS	LCS	Clier	nt Sa		Lab Cont Prep Typ Prep Ba	e: To	tal/N
Analyte			Spike Added		Qualifier	Unit	D	%Rec	MRec.		
Benzene		-	0.100	0.1041	aqualine!	mg/Kg	- 0	104	70_130		
Toluene			0.100	0.1041		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1017		mg/Kg		101	70 - 130		
n,p-Xylenes			0.200	0.2097		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1097		mg/Kg		110	70_130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 _ 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								
Lab Sample ID: LCSD 88	0 21653/2 A				(liont Sa	mnle	ID- Lah	Control S	amn	le Du
Matrix: Solid	U-ZIUJJIZ-H					mont 30	inhie		Prep Typ		
Analysis Batch: 21616									Prep Ba		
miningolo Datelli. 21010			Spike	LCSD	LCSD				%Rec.	acii.	RF
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	
Benzene	-		0.100	0.1037	August 1	mg/Kg	_ =	104	70 - 130	0	-
Toluono										- 0	

0

0

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0.1021

0.1005

mg/Kg

mg/Kg

102

100

70 - 130

70 - 130

0.100

0.100

3/22/2022

35

35

Toluene

Ethylbenzene

	illa Onner '	- 0		-4- (00)	10							
lethod: 8021B - Volat		C	ompou	nas (GC)	(Cont							
Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 21616	0-21653/2-A						Client S	an	nple ID: Lab	Prep Type: Prep Bato	Tota	al/N/
Vision de la financia de destructura de destructura de la destructura del destructura de la destructur				Spike	LCSD	LCSD				%Rec.		RPE
Analyte				Added		Qualifier	Unit		D %Rec		PD	Limi
m,p-Xylenes				0.200	0.2095		mg/Kg		105	70 - 130	0	3
o-Xylene				0.100	0.1067		mg/Kg		107	70 - 130	3	3
	LCSD	LCS	SD									
Surrogate	%Recovery	Qua	difier	Limits								
4-Bromofluorobenzene (Surr)	103			70 - 130								
1,4-Difluorobenzene (Surr)	112			70 _ 130								
Lab Sample ID: MB 880-2 Matrix: Solid	21671/5-A								Client Samp	Prep Type:	Tota	al/N
Analysis Batch: 21692		MO	мв							Prep Bato	n: Z	101
Analyte	D.		Qualifier	R	í	Unit	20	D	Prepared	Analyzed	Ė	il Fa
Benzene	<0.00			0.0020		mg/			03/16/22 08:30			/III r a
Toluene	<0.00			0.0020		mg/	378		03/16/22 08:30			
Ethylbenzene	<0.00			0.0020		mg/	33 5 36		03/16/22 08:30			
n,p-Xylenes	<0.00			0.0040		mg/			03/16/22 08:30			
o-Xylene	<0.00			0.0020		mg/	0.00		03/16/22 08:30			
Kylenes, Total	<0.00			0.0040		mg/			03/16/22 08:30			
2 4 0.00000000000000000000000000000000000												
2000-000000	1270210000		MB	12770115					200000000		-	
Surrogate	%Reco	-	Qualifier	Limits					Prepared	Analyzed)il Fa
4-Bromofluorobenzene (Surr)		97		70 - 130					03/16/22 08:30			
1,4-Difluorobenzene (Surr)		99		70 - 130					03/16/22 08:30	03/16/22 12:4	6	
Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 21692	-21671/1-A						Cli	ent	t Sample ID:	Lab Contro Prep Type: Prep Bato	Tota	al/N
* Comment of the Comm				Spike	LCS	LCS				%Rec.		
Analyte				Added	Result	Qualifier	Unit		D %Rec	Limits		
Benzene				0.100	0.09790		mg/Kg		98	70 - 130		
Toluene				0.100	0.09802		mg/Kg		98	70 - 130		
Ethylbenzene				0.100	0.09868		mg/Kg		99	70_130		
n,p-Xylenes				0.200	0.2326		mg/Kg		116	70 - 130		
o-Xylene				0.100	0.1127		mg/Kg		113	70 - 130		
Surrogate	LCS %Recovery		S alifier	Limits								
4-Bromofluorobenzene (Surr)	96	QUA	iller	70 - 130								
1,4-Difluorobenzene (Surr)	100			70 - 130								
Lab Sample ID: LCSD 88	0-21671/2-A						Client S	an	nple ID: Lab	Control San	nple	Du
Matrix: Solid Analysis Batch: 21692										Prep Type: Prep Bato		

Added

0.100

0.100

0.100

0.200

0.100

Result Qualifier

0.08406

0.09580

0.09954

0.2456

0.1229

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

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RPD

15

2

5

Limit

35

35

35

35

35

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D %Rec

84

96

100

123

123

Limits

70_130

70 - 130

70 - 130

70 - 130

70_130

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m,p-Xylenes

QC Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Lab Sample ID: MB 880-21696/5-A Matrix: Solid Analysis Batch: 21704 Prep Batch: 21696

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/22 09:01	03/16/22 15:09	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		03/16/22 09:01	03/16/22 15:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		03/16/22 09:01	03/16/22 15:09	1

Surrogate	%Recovery Qu	N	nits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		130		03/16/22 15:09	1
1,4-Difluorobenzene (Surr)	104	70	. 130	03/16/22 09:01	03/16/22 15:09	1

Lab Sample ID: LCS 880-21696/1-A Matrix: Solid

Analysis Batch: 21704 Prep Batch: 21696 LCS LCS Spike %Rec.

Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1007		mg/Kg		101	70_130	
Toluene	0.100	0.1005		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.1012		mg/Kg		101	70 - 130	
m,p-Xylenes	0.200	0.2099		mg/Kg		105	70 - 130	
o-Xylene	0.100	0.1033		mg/Kg		103	70_130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-21696/2-A Matrix: Solid

Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 21696

Spike	LCSD	LCSD				%Rec.		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1008		mg/Kg		101	70 - 130	0	35
0.100	0.09932		mg/Kg		99	70 - 130	1	35
0.100	0.1013		mg/Kg		101	70_130	0	35
0.200	0.2104		mg/Kg		105	70_130	0	35
0.100	0.1037		mg/Kg		104	70 - 130	0	35
	Added 0.100 0.100 0.100 0.200	Added Result 0.100 0.1008 0.100 0.09932 0.100 0.1013 0.200 0.2104	Added Result Qualifier 0.100 0.1008 0.100 0.09932 0.100 0.1013 0.200 0.2104	Added Result Qualifier Unit Unit 0.100 0.1008 mg/Kg 0.100 0.09932 mg/Kg 0.100 0.1013 mg/Kg 0.200 0.2104 mg/Kg	Added Result 0.100 Qualifier 0 mg/Kg Unit 0 mg/Kg 0.100 0.1008 mg/Kg 0.100 0.09932 mg/Kg 0.100 0.1013 mg/Kg 0.200 0.2104 mg/Kg	Added Result 0.100 Qualifier 0.100 Unit 0.100 D %Rec mg/Kg 0.100 0.1008 mg/Kg 101 0.100 0.09932 mg/Kg 99 0.100 0.1013 mg/Kg 101 0.200 0.2104 mg/Kg 105	Added Result Qualifier Unit D %Rec Limits 0.100 0.1008 mg/Kg 101 70 - 130 0.100 0.09932 mg/Kg 99 70 - 130 0.100 0.1013 mg/Kg 101 70 - 130 0.200 0.2104 mg/Kg 105 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.1008 mg/Kg 101 70-130 0 0.100 0.09932 mg/Kg 99 70-130 1 0.100 0.1013 mg/Kg 101 70-130 0 0.200 0.2104 mg/Kg 105 70-130 0

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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QC Samp	le Res	ults
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Lab Sample ID: MB 880-21697/5-A

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: Method Blank

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

100

Matrix: Solid Analysis Batch: 21774							Prep Type: To Prep Batch:	
Analyte	approach (California	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	<0.00200	SARCON CONTRACT	0.00200			03/17/22 08:30		DII Fac
Benzene		4.3		mg/Kg				- 1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/22 08:30	03/17/22 12:07	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		03/17/22 08:30	03/17/22 12:07	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		03/17/22 08:30	03/17/22 12:07	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		03/17/22 08:30	03/17/22 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/17/22 08:30	03/17/22 12:07	81
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/17/22 08:30	03/17/22 12:07	1

70.130

Lab Sample ID: LCS 880-21697/1-A Matrix: Solid

Analysis Batch: 21774

1,4-Difluorobenzene (Surr)

Client Sample ID:	Lab Control Sample
17.50	Prep Type: Total/NA
	Prep Batch: 21697

03/17/22 08:30 03/17/22 12:07

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08591		mg/Kg		86	70_130	
Toluene	0.100	0.08605		mg/Kg		86	70 - 130	
Ethylbenzene	0.100	0.08745		mg/Kg		87	70 - 130	
m,p-Xylenes	0.200	0.2003		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1012		mg/Kg		101	70_130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 _ 130
1.4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-21697/2-A Matrix: Solid

Analysis Batch: 21774

Client Sample	ID: I	ab	Contro	ol :	Sample	Dup

Prep Type: Total/NA Prep Batch: 21697

Tilling Old Editorii ETTT									
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1022		mg/Kg		102	70 - 130	17	35
Toluene	0.100	0.09993		mg/Kg		100	70 - 130	15	35
Ethylbenzene	0.100	0.09959		mg/Kg		100	70 - 130	13	35
m,p-Xylenes	0.200	0.2354		mg/Kg		118	70_130	16	35
o-Xylene	0.100	0.1145		mg/Kg		115	70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-21705/5-A Matrix: Solid

Analysis Batch: 21801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21705

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/22 10:00	03/17/22 13:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/22 10:00	03/17/22 13:53	1

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QC Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

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

Lab Sample ID: MB 880-21705/5-A Matrix: Solid Analysis Batch: 21801 Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 21705

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/22 10:00	03/17/22 13:53	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		03/17/22 10:00	03/17/22 13:53	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		03/17/22 10:00	03/17/22 13:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/17/22 10:00	03/17/22 13:53	1
	MD	MD						

Surrogate	%Recovery Qu	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101	70 _ 130	03/17/22 10:00	03/17/22 13:53	1
1,4-Difluorobenzene (Surr)	103	70 - 130	03/17/22 10:00	03/17/22 13:53	1

Lab Sample ID: LCS 880-21705/1-A

Matrix: Solid

Analysis Batch: 21801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21705

	apine	LUG L	LUG				MILEO.	
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	
Ethylbenzene	0.100	0.1015		mg/Kg		101	70_130	
m,p-Xylenes	0.200	0.2108		mg/Kg		105	70_130	
o-Xylene	0.100	0.1015		mg/Kg		101	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LC\$D 880-21705/2-A

Matrix: Solid

Analysis Batch: 21801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21705

LCSD LCSD %Rec. RPD Spike D %Rec Analyte Added Result Qualifier Unit Limits RPD Limit Benzene 0.100 0.09656 mg/Kg 97 70 - 130 7 35 0.100 0.09843 70_130 Toluene mg/Kg 98 3 35 Ethylbenzene 0.100 0.1045 mg/Kg 105 70 - 130 3 35 0.200 0.2192 mg/Kg 110 70 - 130 m,p-Xylenes 4 35 o-Xylene 0.100 0.1062 mg/Kg 108 70-130 5 35

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

Lab Sample ID: MB 880-21393/1-4 Matrix: Solid Analysis Batch: 21442	1						Prep Type: To Prep Batch:	otal/NA
	MB	MB					1.33	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0	U	50.0	mg/Kg		03/11/22 13:33	03/13/22 11:37	1

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Client: Environmental Oilfield S	olutions, L	LC	40	Sample						Job ID: 88	0-12	205-
Project/Site: Hagberry 9 State (COM 502H	łt							5	SDG: Lea C	ounty	/, NN
Method: 8015B NM - Die	sel Rang	ge (Organic	s (DRO) (GC) (Continu	ed)					
Lab Sample ID: MB 880-213 Matrix: Solid Analysis Batch: 21442	93/1-A							1	Client Samp	ole ID: Meth Prep Type Prep Bat	Tot	al/N/
		МВ	MB							a character and a character an		N. 4 (.54)
Analyte	Re	sult	Qualifier	RL		Unit		D	Prepared	Analyzed		Dil Fa
Diesel Range Organics (Over C10-C28)	<	50.0	U	50.0		mg/K	9		03/11/22 13:33		37	
Oll Range Organics (Over C28-C36)	<	50.0		50.0		mg/K	9		03/11/22 13:33	03/13/22 11:	37	
		MB										
Surrogate	%Reco		Qualifier	Limits					Prepared	Analyzed		Dil Fa
1-Chlorooctane (Surr)		109		70 _ 130					03/11/22 13:33			
o-Terphenyl (Surr)		139	S1+	70 - 130					03/11/22 13:33	03/13/22 11:	37	
Lab Sample ID: LCS 880-21: Matrix: Solid Analysis Batch: 21442	393/2-A			Spike	1.08	LCS	Clie	ent	Sample ID:	Prep Type Prep Bat **Rec.	Tot	al/N/
Analyte				Added	55° T 757	Qualifier	Unit		D %Rec	Limits		
Gasoline Range Organics				1000	812.2	Qualifier	mg/Kg		81	70 - 130		
(GRO)-C6-C10				0022000					10000			
Diesel Range Organics (Over C10-C28)				1000	890.1		mg/Kg		89	70_130		
S	LCS			1::								
Particular Control Con	%Recovery 116	Qua	mer	70 - 130								
1-Chlorooctane (Surr) o-Terphenyl (Surr)	118			70 - 130								
Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21442	1393/3-A						Client S	am	ple ID: Lab	Prep Type Prep Bat	Tot	al/N/
				Spike	LCSD	LCSD				%Rec.		RPI
Analyte												
				Added	1000	Qualifier	Unit		D %Rec	KIND DOWN	RPD	
(GRO)-C8-C10				1000	831.3	Qualifier	mg/Kg		83	70 - 130	2	2
그러워 하는 아니까 하는 그 아이에 가지 않는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하					1000	Qualifier				KIND VEGE	7.75	2
(GRO)-C6-C10 Diesel Range Organics (Over	LCSD	LCS	D	1000	831.3	Qualifier	mg/Kg		83	70 - 130	2	2
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				1000	831.3	Qualifier	mg/Kg		83	70 - 130	2	2
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCSD %Recovery 114			1000	831.3	Qualifier	mg/Kg		83	70 - 130	2	2
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane (Surr)	%Recovery			1000 1000 <i>Limits</i>	831.3	Qualifier	mg/Kg		83	70 - 130	2	2
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid	%Recovery 114 116			1000 1000 Limits 70_130	831.3	Qualifier	mg/Kg		83 92	70-130 70-130 Client Sam Prep Type	2 3 ple II	2 2 D: 1/ al/N/
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid	%Recovery 114 116	Qua	lifier	1000 1000 Limits 70_130	831.3 917.1	Qualifier	mg/Kg		83 92	70 - 130 70 - 130 Client Sam	2 3 ple II	2: 2: D: 1/ al/N/
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21442	%Recovery 114 116	Qua	lifier	1000 1000 Limits 70 _ 130 70 _ 130	831.3 917.1		mg/Kg		83 92	70 - 130 70 - 130 Client Sam Prep Type Prep Bat	2 3 ple II	2: 2: D: 1/ al/N/
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21442 Analyte Gasoline Range Organics	%Recovery 114 116 I MS	Qua Sam Qua	lifier	1000 1000 Limits 70 _ 130 70 _ 130	831.3 917.1	MS	mg/Kg		83 92	70-130 70-130 Client Samprep Type Prep Bat %Rec.	2 3 ple II	2 2 D: 1/N
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1	%Recovery 114 116 I MS Sample Result	Sam Qua U	lifier	1000 1000 Limits 70 - 130 70 - 130 Spike Added	831.3 917.1 MS Result	MS	mg/Kg mg/Kg		83 92 D %Rec	70 - 130 70 - 130 Client Sam Prep Type Prep Bat %Rec. Limits	2 3 ple II	2: 2: D: 1/ al/N/
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21442 Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	%Recovery 114 116 I MS Sample Result <49.8	Sam Qua U	lifier	1000 Limits 70 _ 130 70 _ 130 Spike Added 998	831.3 917.1 MS Result 1295	MS	mg/Kg mg/Kg		83 92 D %Rec 130	70 - 130 70 - 130 Client Sam Prep Type Prep Bat %Rec. Limits 70 - 130	2 3 ple II	al/N/
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21442 Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	%Recovery 114 116 MS Sample Result <49.8	Sam Qua U	diffier ople liffier	1000 Limits 70 _ 130 70 _ 130 Spike Added 998	831.3 917.1 MS Result 1295	MS	mg/Kg mg/Kg		83 92 D %Rec 130	70 - 130 70 - 130 Client Sam Prep Type Prep Bat %Rec. Limits 70 - 130	2 3 ple II	20 20 21 21/N/
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chloroctane (Surr) o-Terphenyl (Surr) Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21442 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 114 116 MS Sample Result <49.8 49.8 MS	Sam Qua U	diffier ople liffier	1000 Limits 70 _ 130 70 _ 130 Spike Added 998 998	831.3 917.1 MS Result 1295	MS	mg/Kg mg/Kg		83 92 D %Rec 130	70 - 130 70 - 130 Client Sam Prep Type Prep Bat %Rec. Limits 70 - 130	2 3 ple II	20 20 21 21/N/

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Project/Site: Hagberry 9 Sta	d Solutions, L te COM 5021									Job ID: SDG: Lea		
Method: 8015B NM - D	iesel Ran	ge (Organic	s (DR	O) (GC) (Continu	ıed)					
Lab Sample ID: 880-1226 Matrix: Solid	3-1 MSD									Client Sa Prep Ty	pe: To	tal/NA
Analysis Batch: 21442	727 5	12	27	200							Batch:	
Analyte	Sample Result		5000000	Spike Added		MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPE
Gasoline Range Organics (GRO)-C6-C10	<49.8	-	illilet	998	1165	200403000100	mg/Kg		117	70 - 130	11	2
Diesel Range Organics (Over C10-C28)	<49.8	U		998	1062		mg/Kg		106	70_130	13	2
	MSD	MSI	0									
Surrogate	%Recovery	Qua	difier	Limits								
1-Chlorooctane (Surr)	85			70 - 130								
o-Terphenyl (Surr)	77			70_130								
Method: 300.0 - Anion	s, Ion Chr	oma	atograp	hy								
Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21542	1309/1-A							Cli	ient San	nple ID: M Prep T		
elvino non elemento in compositorio di Pristanti		МВ	МВ									
Analyte	Re	esult	Qualifier		RL	Unit		D I	Prepared	Analy	zed	Dil Fa
Chloride	<	5.00	U		5.00	/1/	a			03/12/22	20-34	
					0.00	mg/K	.8			03/12/22	20.54	
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542				Spike		LCS		ent Sa	ample IE): Lab Cor Prep T %Rec.	ntrol S	
Lab Sample ID: LCS 880- Matrix: Solid				Spike Added	LCS	F60		ent Sa): Lab Cor Prep T %Rec. Limits	ntrol S	
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542				7.5	LCS	LCS Qualifier	Clie): Lab Cor Prep T %Rec.	ntrol S	
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	21309/2-A			Added	LCS Result	LCS Qualifier	Clie Unit mg/Kg) %Rec 104): Lab Cor Prep T %Rec. Limits	ntrol Sampl	e Du
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880	21309/2-A			Added	LCS Result 259.6	LCS Qualifier	Clie Unit mg/Kg) %Rec 104	%Rec. Limits 90 - 110	ntrol Sampl	e Duj
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	21309/2-A			Added 250	LCS Result 259.6	LCS Qualifier	Clie Unit mg/Kg) %Rec 104 e ID: Lal	%Rec. Limits 90 - 110 b Control Prep T	ntrol Sampl	e Dujolubl
Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21542	21309/2-A			Added 250 Spike	LCS Result 259.6	LCS Qualifier (LCSD Qualifier	Unit mg/Kg	ample) %Rec 104 e ID: Lal	%Rec. Limits 90 - 110 b Control Prep T	Samplype: S	e Du olubl RP Lim
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid	21309/2-A 0-21309/3-A			Added 250 Spike Added	LCS Result 259.6 LCSE Result	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S	ample) %Rec 104 e ID: Lal	%Rec. Limits 90 - 110 b Control Prep T	Sample Sa	e Du olubl RP Lim 2
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2	21309/2-A 0-21309/3-A	3000	Doos	Added 250 Spike Added	LCS Result 259.6 LCSE Result	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S	ample) %Rec 104 e ID: Lal	%Rec. Limits 90 - 110 b Control Prep T %Rec. Limits 90 - 110	Sample Sa	e Dupoluble RPI Limi 2
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid	21309/2-A 0-21309/3-A 21308/1-A	мв	MB Qualifier	Added 250 Spike Added	LCS Result 259.6 LCSE Result	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S	ample D Cli) %Rec 104 e ID: Lal	%Rec. Limits 90 - 110 b Control Prep T %Rec. Limits 90 - 110	Sample Sa	e Dupoluble RPI Limi 2
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21949	21309/2-A 0-21309/3-A 21308/1-A	мв	MB Qualifier	Added 250 Spike Added	LCSE Result 259.6 LCSE Result 280.6	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S Unit mg/Kg	ample D Cli	%Rec 104 e ID: Lal %Rec 104	%Rec. Limits 90 - 110 b Control Prep T %Rec. Limits 90 - 110 nple ID: M	Sample Sa	e Dujoluble RPI
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21949 Analyte Chloride Lab Sample ID: LCS 880-Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-Matrix: Solid	21309/2-A 0-21309/3-A 21308/1-A	MB esult	MB Qualifier	Added 250 Spike Added	LCSE Result 259.6 LCSE Result 280.6	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S Unit mg/Kg	D Cli	%Rec 104 e ID: Lal %Rec 104 ient San	%Rec. Limits 90 - 110 b Control Prep T %Rec. Limits 90 - 110 nple ID: M Prep T	Samplype: S RPD 0 lethod type: S zed 11:23	ee Du olubl RP Lim 2 Blan olubl Dii Fa
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21949 Analyte Chloride Lab Sample ID: LCS 880-L	21309/2-A 0-21309/3-A 21308/1-A	MB esult	MB Qualifier	Added 250 Spike Added 250	LCSD Result 259.6 LCSD Result 260.6	LCSD Qualifier Unit	Unit mg/Kg Client S Unit mg/Kg	D Cli	%Rec 104 e ID: Lal %Rec 104 ient San	%Rec. Limits 90 - 110 b Control Prep T %Rec. Limits 90 - 110 nple ID: M Prep T Analy 03/19/22 D: Lab Con Prep T	Samplype: S RPD 0 lethod type: S zed 11:23	ee Dujolubl RPI Lim 2 Blan olubl Dit Fa
Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: LCSD 886 Matrix: Solid Analysis Batch: 21542 Analyte Chloride Lab Sample ID: MB 880-2 Matrix: Solid Analysis Batch: 21949 Analyte Chloride Lab Sample ID: LCS 880-Matrix: Solid Analysis Batch: Solid	21309/2-A 0-21309/3-A 21308/1-A	MB esult	MB Qualifier	Added 250 Spike Added	LCSD Result 259.6 LCSD Result 260.6	LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client S Unit mg/Kg	D Cli	%Rec 104 e ID: Lal 9 %Rec 104 ient San	%Rec. Limits 90-110 b Control Prep T %Rec. Limits 90-110 nple ID: M Prep T Analy 03/19/22	Samplype: S RPD 0 lethod type: S zed 11:23	ee Dupoluble RPI Lim 2 Blantoluble Dit Fa

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Client: Environmental Oilfield S Project/Site: Hagberry 9 State									SDG: Lea	Count	y, INIVI
Method: 300.0 - Anions,	Ion Chr	omatogra	ohy (Co	ntinued)							
Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21949	21308/3-A				(Client Sa	mple	ID: Lal	Control Prep T		
Analysis Daten. 21343			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	257.9		mg/Kg		103	90 - 110	0	20
Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21949	19 MS							2	Client Sar Prep T		
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	118		249	382.7		mg/Kg		106	90 - 110		
Lab Sample ID: 880-12263-1 Matrix: Solid Analysis Batch: 21949	19 MSD							3	Client Sar Prep T	nple ID ype: So	
		Sample	Spike		MSD				%Rec.		RPE
Analyte	22.00	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Chloride	118		249	375.6		mg/Kg		104	90 - 110	2	20
Matrix: Solid									Prep T	ype. 30	HUDI
Analysis Batch: 21970	n.	MB MB		DI.	11-14		v n				D:: F
Analyte Chloride		MB MB esult Qualifier 5.00 U	8 <u> </u>	RL 5.00	Unit mg/K) P	repared	Analy: 03/21/22		
Analyte	<	sult Qualifier	Spike	5.00		g			03/21/22): Lab Cor Prep To %Rec.	17:08	mple
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte	<	sult Qualifier	Added	5.00 LCS Result	mg/K	Clier Unit		mple ID	03/21/22 Cab Cor Prep To %Rec. Limits	17:08	mple
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970	<	sult Qualifier	7.0000000000000000000000000000000000000	5.00 LCS	mg/K	Clier	nt Sai	mple ID	03/21/22): Lab Cor Prep To %Rec.	17:08	mple
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte	310/2-A	sult Qualifier	Added 250	5.00 LC\$ Result 273.1	mg/K LC\$ Qualifier	Clies Unit mg/Kg	nt Sai	%Rec	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 D Control Prep Ty	17:08 ntrol Sa ype: So	ample oluble e Dup oluble
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid	310/2-A	sult Qualifier	Added	LCS Result 273.1	mg/K LCS Qualifier	Clies Unit mg/Kg	nt Sai	%Rec	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90 - 110	17:08 ntrol Sa ype: So	mple oluble Dup oluble
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970	310/2-A	sult Qualifier	Added 250 Spike	LCS Result 273.1	mg/K LC\$ Qualifier	Unit mg/Kg	D mple	%Rec 109	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90 - 110 D Control Prep Ty %Rec.	17:08 atrol Sa ype: So Sample ype: So	e Dupoluble
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte	310/2-A 310/2-A 21310/3-A	sult Qualifier	Added 250 Spike Added	LCS Result 273.1	mg/K LC\$ Qualifier	Unit mg/Kg Client Sa	D mple	%Rec 109	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 D Control Prep Ty %Rec. Limits 90-110 Client Sa	ntrol Sa ype: So Sample ype: So RPD	e Dupoluble RPE Limit
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970	310/2-A 21310/3-A 8 MS	Sample	Added 250 Spike Added 250 Spike	LCS Result 273.1 LCSD Result 274.8	mg/K LCS Qualifier (LCSD Qualifier	Unit mg/Kg Client Sa Unit mg/Kg	D mple	%Rec 109 ID: Lal %Rec 110	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 D Control Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty %Rec.	sample some sample some sample some some some some some some some som	e Dupoluble RPE Limit
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970 Analyte Analyte Analyte	310/2-A 21310/3-A 8 MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	LCS Result 273.1 LCSD Result 274.8	mg/K LCS Qualifier (LCSD Qualifier MS Qualifier	Unit mg/Kg Client Sa Unit mg/Kg Unit mg/Kg	D mple	%Rec 109 ID: Lal %Rec 110	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 D Control Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty %Rec. Limits	sample some sample some sample some some some some some some some som	e Dupoluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970	310/2-A 21310/3-A B MS Sample Result 62.1	Sample Qualifier	Added 250 Spike Added 250 Spike	LCS Result 273.1 LCSD Result 274.8	mg/K LCS Qualifier (LCSD Qualifier MS Qualifier	Unit mg/Kg Client Sa Unit mg/Kg	D mple	%Rec 109 ID: Lal %Rec 110	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 D Control Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty %Rec.	Sample ll	D: 4E
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Chloride Chloride Chloride	310/2-A 21310/3-A 3 MS Sample Result 62.1 3 MSD	Sample Qualifier F1	Spike Added 250 Spike Added 250 Spike Added 250	LCS Result 273.1 LCSD Result 274.8 MS Result 340.7	mg/K LCS Qualifier (LCSD Qualifier MS Qualifier F1	Unit mg/Kg Client Sa Unit mg/Kg Unit mg/Kg	D mple	%Rec 109 ID: Lal %Rec 110	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 Control Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty	Sample II	D: 4B
Analyte Chloride Lab Sample ID: LCS 880-21 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid Analysis Batch: 21970 Analyte Chloride Lab Sample ID: 880-12263-8 Matrix: Solid	310/2-A 21310/3-A 21310/3-A Sample Result 62.1 Sample	Sample Qualifier	Added 250 Spike Added 250 Spike Added	LCS Result 273.1 LCSD Result 274.8 MS Result 340.7	mg/K LCS Qualifier (LCSD Qualifier MS Qualifier	Unit mg/Kg Client Sa Unit mg/Kg Unit mg/Kg	D mple	%Rec 109 ID: Lal %Rec 110	03/21/22 D: Lab Cor Prep Ty %Rec. Limits 90-110 Control Prep Ty %Rec. Limits 90-110 Client Sa Prep Ty %Rec. Limits 90-110 Client Sa Client Sa One Ty Client Sa One Ty Client Sa	Sample II	PD: 48

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			C Sampl	e Resu	ılts						
Client: Environmental Oilfield Project/Site: Hagberry 9 State									Job ID: SDG: Lea		
Method: 300.0 - Anions	, Ion Chr	omatogra	aphy							1.100-2004-04	**********
Lab Sample ID: 880-12263 Matrix: Solid Analysis Batch: 21970	-18 MS								Client Sa Prep Ty		
Analysis Butch. 21070	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	192		248	457.4		mg/Kg		107	90 - 110		
Lab Sample ID: 880-12263 Matrix: Solid Analysis Batch: 21970	-18 MSD								Client Sa Prep T		
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	192		248	454.9		mg/Kg		106	90 - 110	1	20

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Eurofins Midland

Client: Environmental (Project/Site: Hagberry	Oilfield Solutions, LLC 9 State COM 502Ht				D: 880-12263-1 ea County, NN
GC VOA					
Prep Batch: 21012					
Lab Sample ID MB 880-21012/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batcl
Prep Batch: 21146					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-1	1A	Total/NA	Solid	5035	
880-12263-2	1B	Total/NA	Solid	5035	
MB 880-21146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12263-1 MS	1A	Total/NA	Solid	5035	
880-12263-1 MSD	1A	Total/NA	Solid	5035	
Prep Batch: 21215					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
MB 880-21215/5-B	Method Blank	Total/NA	Solid	5035	
Prep Batch: 21290					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-12263-17	9A	Total/NA	Solid	5035	
880-12263-18	9B	Total/NA	Solid	5035	
MB 880-21290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Prep Batch: 21301	.5 %				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-7	4A	Total/NA	Solid	5035	Trep batter
880-12263-8	4B	Total/NA	Solid	5035	
880-12263-9	5A	Total/NA	Solid	5035	
880-12263-10	5B	Total/NA	Solid	5035	
880-12263-11	6A	Total/NA	Solid	5035	
880-12263-12	6B	Total/NA	Solid	5035	
MB 880-21301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21301/1-A LCSD 880-21301/2-A	Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA	Solid Solid	5035 5035	
Analysis Batch: 2144	10				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-1	1A	Total/NA	Solid	8021B	2114
880-12263-2	1B	Total/NA	Solid	8021B	2114
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	2101
MB 880-21146/5-A	Method Blank	Total/NA	Solid	8021B	2114
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	8021B	2114
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2114
880-12263-1 MS	1A	Total/NA	Solid	8021B	2114
880-12263-1 MSD	1A	Total/NA	Solid	8021B	2114
Analysis Batch: 2146	66				
Lab Sample ID 880-12263-3	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl 2148

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	Oilfield Solutions, LLC 9 State COM 502Ht	ociation Summa			: 880-12263- ea County, NN
GC VOA (Continu	neq)				
Analysis Batch: 214	66 (Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-5	3A	Total/NA	Solid	8021B	2148
880-12263-6	3B	Total/NA	Solid	8021B	2148
MB 880-21477/5-B	Method Blank	Total/NA	Solid	8021B	2147
MB 880-21489/5-B	Method Blank	Total/NA	Solid	8021B	2148
LCS 880-21489/1-A	Lab Control Sample	Total/NA	Solid	8021B	2148
LCSD 880-21489/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2148
Prep Batch: 21477					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
MB 880-21477/5-B	Method Blank	Total/NA	Solid	5035	-
Prep Batch: 21489					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-12263-3	2A	Total/NA	Solid	5035	
880-12263-4	2B	Total/NA	Solid	5035	
880-12263-5	3A	Total/NA	Solid	5035	
880-12263-6	3B	Total/NA	Solid	5035	
MB 880-21489/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-21489/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21489/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 215	52				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-1	1A	Total/NA	Solid	Total BTEX	гтер ваш
880-12263-2	1B	Total/NA	Solid	Total BTEX	
880-12263-3	2A	Total/NA	Solid	Total BTEX	
880-12263-4	2B	Total/NA	Solid	Total BTEX	
880-12263-5	3A	Total/NA	Solid	Total BTEX	
880-12263-6	3B	Total/NA	Solid	Total BTEX	
880-12263-7	4A	Total/NA	Solid	Total BTEX	
880-12263-8	4B	Total/NA	Solid	Total BTEX	
880-12263-9	5A	Total/NA	Solid	Total BTEX	
880-12263-10	5B	Total/NA	Solid	Total BTEX	
880-12263-10	6A	Total/NA	Solid	Total BTEX	
880-12263-12	6B	Total/NA	Solid	Total BTEX	
880-12263-12				Total BTEX	
45 FF 45 FF FF (4 F)	7A	Total/NA	Solid		
880-12263-14 880-12263-15	7B	Total/NA	Solid	Total BTEX	
	8A	Total/NA	Solid	Total BTEX	
880-12263-16	8B	Total/NA	Solid	Total BTEX	
880-12263-17	9A	Total/NA	Solid	Total BTEX	
880-12263-18	9B	Total/NA	Solid	Total BTEX	
880-12263-19 880-12263-20	10A 10B	Total/NA Total/NA	Solid Solid	Total BTEX Total BTEX	
		Iotal/NA	20110	IOTAL BIEA	
Analysis Batch: 216	13				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-12263-17	9A	Total/NA	Solid	8021B	2129
880-12263-18	9B	Total/NA	Solid	8021B	2129
MB 880-21215/5-B	Method Blank	Total/NA	Solid	8021B	2121
MB 880-21290/5-A	Method Blank	Total/NA	Solid	8021B	2129
LCS 880-21290/1-A	Lab Control Sample	Total/NA	Solid	8021B	2129

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r rojectrone. riagberry	9 State COM 502Ht			000.1	ea County, NM
GC VOA (Continu	ied)				
Analysis Batch: 216	15 (Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-21290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21290
Analysis Batch: 216	16				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-12263-7	4A	Total/NA	Solid	8021B	2130
880-12263-8	4B	Total/NA	Solid	8021B	2130
880-12263-9	5A	Total/NA	Solid	8021B	2130
880-12263-10	5B	Total/NA	Solid	8021B	2130
880-12263-11	6A	Total/NA	Solid	8021B	2130
880-12263-12	6B	Total/NA	Solid	8021B	2130
880-12263-14	7B	Total/NA	Solid	8021B	2165
880-12263-15	8A	Total/NA	Solid	8021B	2165
880-12263-16	8B	Total/NA	Solid	8021B	2165
MB 880-21301/5-A	Method Blank	Total/NA	Solid	8021B	2130
MB 880-21653/5-A	Method Blank	Total/NA	Solid	8021B	2165
LCS 880-21301/1-A	Lab Control Sample	Total/NA	Solid	8021B	2130
LCS 880-21653/1-A	Lab Control Sample	Total/NA	Solid	8021B	2165
LCSD 880-21301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2130
LCSD 880-21653/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2165
Prep Batch: 21653					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-14	78	Total/NA	Solid	5035	
880-12263-15	8A	Total/NA	Solid	5035	
880-12263-16	8B	Total/NA	Solid	5035	
MB 880-21653/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21653/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21653/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Prep Batch: 21671					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12263-11	6A	Total/NA	Solid	5035	
880-12263-12	6B	Total/NA	Solid	5035	
880-12263-13	7A	Total/NA	Solid	5035	
880-12263-19	10A	Total/NA	Solid	5035	
MB 880-21671/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21671/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21671/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 216	92				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-12263-11	6A	Total/NA	Solid	8021B	2167
880-12263-12	6B	Total/NA	Solid	8021B	2167
880-12263-13	7A	Total/NA	Solid	8021B	2167
880-12263-19	10A	Total/NA	Solid	8021B	2167

Total/NA

Total/NA

Total/NA

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Solid

Solid

Solid

8021B

8021B

8021B

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21671

21671

21671

0=15

MB 880-21671/5-A

LCS 880-21671/1-A

LCSD 880-21671/2-A

Method Blank

Lab Control Sample

Lab Control Sample Dup

rojectroite. Hagberry	9 State COM 502Ht			SDG. Le	a County, NM
GC VOA					
Prep Batch: 21696					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-20	10B	Total/NA	Solid	5035	
MB 880-21696/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21696/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Prep Batch: 21697	0624 705 6900	28 (28	122(319)	20705 - 0	020 12407
Lab Sample ID	Client Sample ID 10B	Prep Type	Matrix Solid	Method 5035	Prep Batch
880-12263-20		Total/NA			
MB 880-21697/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21697/1-A LCSD 880-21697/2-A	Lab Control Sample	Total/NA Total/NA	Solid Solid	5035 5035	
	Lab Control Sample Dup	IOIAI/IVA	Diluc	5033	
Analysis Batch: 2170					
Lab Sample ID	Client Sample ID	Prep Type	Matrix Solid	Method	Prep Batch
880-12263-20		Total/NA		8021B	21696
MB 880-21696/5-A	Method Blank	Total/NA	Solid	8021B	21698
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	8021B	21696
Prep Batch: 21705	Lab Control Sample Dup	Total/NA	Solid	8021B	21696
Town-son meaning	CE4 SI- ID	D T	Matrice	Markad	D D-t-b
Lab Sample ID 880-12263-14	Client Sample ID 7B	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-21705/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21705/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21705/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 217		Totality	John	3033	
Charles Paris - Arroganism		Dana Tana	Matrix	Markad	Deep Details
Lab Sample ID 880-12263-20	Client Sample ID	Prep Type Total/NA	Solid	Method 8021B	Prep Batch 21697
MB 880-21697/5-A	Method Blank	Total/NA	Solid	8021B	21697
LCS 880-21697/1-A	Lab Control Sample	Total/NA	Solid	8021B	21697
LCSD 880-21697/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21697
Analysis Batch: 2180				10.1 (0.4 (0.1	734038
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-14	7B	Total/NA	Solid	8021B	21705
MB 880-21705/5-A	Method Blank	Total/NA	Solid	8021B	21705
LCS 880-21705/1-A	Lab Control Sample	Total/NA	Solid	8021B	21705
LCSD 880-21705/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21705
GC Semi VOA					
Prep Batch: 21393					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-1	1A	Total/NA	Solid	8015NM Prep	
880-12263-2	1B	Total/NA	Solid	8015NM Prep	
880-12263-3	2A	Total/NA	Solid	8015NM Prep	
880-12263-4	2B	Total/NA	Solid	8015NM Prep	
880-12263-5	3A	Total/NA	Solid	8015NM Prep	
		Total/NA	Solid	8015NM Prep	
880-12263-6	3B	Iotal/IVA			

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	9 State COM 502Ht			SDG: Lea	a County, NM
GC Semi VOA (Co					
Prep Batch: 21393 (C	.onunuea)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-8	4B	Total/NA	Solid	8015NM Prep	
880-12263-9	5A	Total/NA	Solid	8015NM Prep	
880-12263-10	5B	Total/NA	Solid	8015NM Prep	
880-12263-11	6A	Total/NA	Solid	8015NM Prep	
880-12263-12	6B	Total/NA	Solid	8015NM Prep	
880-12263-13	7A	Total/NA	Solid	8015NM Prep	
880-12263-14 880-12263-15	7B 8A	Total/NA Total/NA	Solid Solid	8015NM Prep 8015NM Prep	
880-12263-16	8B	Total/NA	Solid	8015NM Prep	
880-12263-17	9A	Total/NA	Solid	8015NM Prep	
880-12263-17	9B	Total/NA	Solid	8015NM Prep	
880-12263-19	10A	Total/NA	Solid	8015NM Prep	
880-12263-20	108	Total/NA	Solid	8015NM Prep	
MB 880-21393/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21393/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21393/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12263-1 MS	1A	Total/NA	Solid	8015NM Prep	
880-12263-1 MSD	1A	Total/NA	Solid	8015NM Prep	
Analysis Batch: 214	12				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-1	1A	Total/NA	Solid	8015B NM	21393
880-12263-2	1B	Total/NA	Solid	8015B NM	21393
880-12263-3	2A	Total/NA	Solid	8015B NM	21393
880-12263-4	2B	Total/NA	Solid	8015B NM	21393
880-12263-5	3A	Total/NA	Solid	8015B NM	21393
880-12263-6	3B	Total/NA	Solid	8015B NM	21393
880-12263-7	4A	Total/NA	Solid	8015B NM	21393
880-12263-8	4B	Total/NA	Solid	8015B NM	21393
880-12263-9	5A	Total/NA	Solid	8015B NM	21393
880-12263-10	5B	Total/NA	Solid	8015B NM	21393
880-12263-11	6A	Total/NA	Solid	8015B NM	21393
880-12263-12	6B	Total/NA	Solid	8015B NM	21393
880-12263-13	7A 7B	Total/NA	Solid	8015B NM	21393
000 12202 11			Solid	8015B NM	21393
880-12263-14		Total/NA	0-51	00450	
880-12263-15	8A	Total/NA	Solid	8015B NM	
880-12263-15 880-12263-16	8A 8B	Total/NA Total/NA	Solid	8015B NM	21393
880-12263-15 880-12263-16 880-12263-17	8A 8B 9A	Total/NA Total/NA Total/NA	Solid Solid	8015B NM 8015B NM	21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18	8A 8B 9A 9B	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid	8015B NM 8015B NM 8015B NM	21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19	8A 8B 9A 9B 10A	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20	8A 8B 9A 9B 10A 10B	Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A	8A 8B 9A 9B 10A 10B Method Blank	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A LCS 880-21393/2-A	8A 8B 9A 9B 10A 10B Method Blank Lab Control Sample	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A LCS 880-21393/2-A LCSD 880-21393/3-A	8A 8B 9A 9B 10A 10B Method Blank Lab Control Sample Lab Control Sample	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A LCS 880-21393/2-A	8A 8B 9A 9B 10A 10B Method Blank Lab Control Sample	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A LCS 880-21393/2-A LCSD 880-21393/3-A 880-12263-1 MS 880-12263-1 MSD	8A 8B 9A 9B 10A 10B Method Blank Lab Control Sample Lab Control Sample	Total/NA	Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393 21393 21393 21393 21393
880-12263-15 880-12263-16 880-12263-17 880-12263-18 880-12263-19 880-12263-20 MB 880-21393/1-A LCS 880-21393/2-A LCSD 880-21393/3-A 880-12263-1 MS	8A 8B 9A 9B 10A 10B Method Blank Lab Control Sample Lab Control Sample	Total/NA	Solid	8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM 8015B NM	21393 21393 21393 21393 21393 21393 21393 21393 21393 21393

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QC Association Sur	mmary
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

GC Semi VOA (Continued)

Analy	/sis	Batch:	21532	(Continued)	í
ALC: U	1010	Dutcii.	E I JJE	Communica	ı

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-3	2A	Total/NA	Solid	8015 NM	
880-12263-4	2B	Total/NA	Solid	8015 NM	
880-12263-5	3A	Total/NA	Solid	8015 NM	
880-12263-6	3B	Total/NA	Solid	8015 NM	
880-12263-7	4A	Total/NA	Solid	8015 NM	
880-12263-8	4B	Total/NA	Solid	8015 NM	
880-12263-9	5A	Total/NA	Solid	8015 NM	
880-12263-10	5B	Total/NA	Solid	8015 NM	
880-12263-11	6A	Total/NA	Solid	8015 NM	
880-12263-12	6B	Total/NA	Solid	8015 NM	
880-12263-13	7A	Total/NA	Solid	8015 NM	
880-12263-14	7B	Total/NA	Solid	8015 NM	
880-12263-15	8A	Total/NA	Solid	8015 NM	
880-12263-16	8B	Total/NA	Solid	8015 NM	
880-12263-17	9A	Total/NA	Solid	8015 NM	
880-12263-18	9B	Total/NA	Solid	8015 NM	
880-12263-19	10A	Total/NA	Solid	8015 NM	
880-12263-20	10B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-19	10A	Soluble	Solid	DI Leach	
880-12263-20	10B	Soluble	Solid	DI Leach	
MB 880-21308/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21308/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21308/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12263-19 MS	10A	Soluble	Solid	DI Leach	
880-12263-19 MSD	10A	Soluble	Solid	DI Leach	

Leach Batch: 21309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-1	1A	Soluble	Solid	DI Leach	
880-12263-2	1B	Soluble	Solid	DI Leach	
880-12263-3	2A	Soluble	Solid	DI Leach	
880-12263-4	2B	Soluble	Solid	DI Leach	
880-12263-5	3A	Soluble	Solid	DI Leach	
880-12263-6	3B	Soluble	Solid	DI Leach	
880-12263-7	4A	Soluble	Solid	DI Leach	
MB 880-21309/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21309/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21309/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 21310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12263-8	4B	Soluble	Solid	DI Leach	
880-12263-9	5A	Soluble	Solid	DI Leach	
880-12263-10	5B	Soluble	Solid	DI Leach	
880-12263-11	6A	Soluble	Solid	DI Leach	
880-12263-12	6B	Soluble	Solid	DI Leach	

Eurofins Midland

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Project/Site: Hagberry	Oilfield Solutions, LLC 9 State COM 502Ht			000 11	D: 880-12263- ea County, NN
HPLC/IC (Continu	ied)				
each Batch: 21310	(Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-12263-13	7A	Soluble	Solid	DI Leach	
880-12263-14	7B	Soluble	Solid	DI Leach	
880-12263-15	8A	Soluble	Solid	DI Leach	
880-12263-16	8B	Soluble	Solid	DI Leach	
880-12263-17	9A	Soluble	Solid	DI Leach	
880-12263-18	9B	Soluble	Solid	DI Leach	
MB 880-21310/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21310/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21310/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12263-8 MS	48	Soluble	Solid	DI Leach	
880-12263-8 MSD	48	Soluble	Solid	DI Leach	
880-12263-18 MS	9B	Soluble	Solid	DI Leach	
880-12263-18 MSD	9B	Soluble	Solid	DI Leach	
nalysis Batch: 2154	12				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-12263-1	1A	Soluble	Solid	300.0	2130
880-12263-2	1B	Soluble	Solid	300.0	2130
880-12263-3	2A	Soluble	Solid	300.0	2130
880-12263-4	2B	Soluble	Solid	300.0	2130
880-12263-5	3A	Soluble	Solid	300.0	2130
880-12263-6	3B	Soluble	Solid	300.0	2130
880-12263-7	4A	Soluble	Solid	300.0	2130
MB 880-21309/1-A	Method Blank	Soluble	Solid	300.0	2130
LCS 880-21309/2-A	Lab Control Sample	Soluble	Solid	300.0	2130
LCSD 880-21309/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2130
nalysis Batch: 2194	19				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-12263-19	10A	Soluble	Solid	300.0	2130
880-12263-20	10B	Soluble	Solid	300.0	2130
MB 880-21308/1-A	Method Blank	Soluble	Solid	300.0	2130
LCS 880-21308/2-A	Lab Control Sample	Soluble	Solid	300.0	2130
LCSD 880-21308/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2130
880-12263-19 MS	10A	Soluble	Solid	300.0	2130
880-12263-19 MSD	10A	Soluble	Solid	300.0	2130
nalysis Batch: 2197	70				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-12263-8	4B	Soluble	Solid	300.0	2131
880-12263-9	5A	Soluble	Solid	300.0	2131
880-12263-10	5B	Soluble	Solid	300.0	2131
880-12263-11	6A	Soluble	Solid	300.0	2131
880-12263-12	6B	Soluble	Solid	300.0	2131
880-12263-13	7A	Soluble	Solid	300.0	2131
880-12263-14	7B	Soluble	Solid	300.0	2131
880-12263-15	8A	Soluble	Solid	300.0	2131
880-12263-16	8B	Soluble	Solid	300.0	2131
880-12263-17	9A	Soluble	Solid	300.0	2131
880-12263-18	9B	Soluble	Solid	300.0	2131
MB 880-21310/1-A	Method Blank	Soluble	Solid	300.0	2131

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 21970 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-21310/2-A	Lab Control Sample	Soluble	Solid	300.0	21310
LCSD 880-21310/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21310
880-12263-8 MS	4B	Soluble	Solid	300.0	21310
880-12263-8 MSD	48	Soluble	Solid	300.0	21310
880-12263-18 MS	9B	Soluble	Solid	300.0	21310
880-12263-18 MSD	9B	Soluble	Solid	300.0	21310

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

nty, NM

Client Sample ID: 1A Date Collected: 03/08/22 11:00 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-1 Matrix: Solid

lid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	62/1003	-10000000	5.03 g	5 mL	21146		KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 19:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		10			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 12:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21309	03/10/22 12:12	СН	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 00:06	CH	XEN MID

Lab Sample ID: 880-12263-2

Matrix: Solid

Client Sample ID: 1B Date Collected: 03/08/22 11:00 Date Received: 03/09/22 16:56

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Total/NA 5035 03/13/22 12:58 KL Prep 5.00 g 5 mL 21146 XEN MID 8021B Total/NA 21440 03/13/22 19:50 MR XEN MID Analysis 5 mL 5 mL Total/NA Analysis Total BTEX 21552 03/14/22 14:33 AJ XEN MID Total/NA Analysis 8015 NM 21532 03/14/22 12:26 AJ XEN MID 03/11/22 13:33 DM Total/NA Prep 8015NM Prep 10.01 g 10 mL 21393 XEN MID 8015B NM 03/13/22 13:46 AJ Total/NA Analysis 21442 XEN MID 03/10/22 12:12 CH Soluble Leach DI Leach 4.96 g 50 mL 21309 XEN MID 03/13/22 00:15 CH XEN MID Soluble 300.0 Analysis 21542

Client Sample ID: 2A Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	22000		5.01 g	5 mL	21489	03/14/22 09:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21466	03/15/22 06:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		10			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21309	03/10/22 12:12	СН	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 00:24	CH	XEN MID

Client Sample ID: 2B

Date Collected: 03/08/22 11:15

Lab Sample ID: 880-12263-4

Matrix: Solid

Date Received: 03/09/22 16:56

	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	21489	03/14/22 09:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21466	03/15/22 06:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 2B Date Collected: 03/08/22 11:15 Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-4 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM	2201012	1) cressificacinice		21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 14:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21309	03/10/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 00:33	CH	XEN MID

Lab Sample ID: 880-12263-5

Matrix: Solid

Date Collected: 03/08/22 11:20 Date Received: 03/09/22 16:56

Client Sample ID: 3A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21489	03/14/22 09:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21466	03/15/22 07:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 14:51	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21309	03/10/22 12:12	СН	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 00:42	CH	XEN MID

Lab Sample ID: 880-12263-6 Client Sample ID: 3B Date Collected: 03/08/22 11:20 Matrix: Solid Date Received: 03/09/22 16:56

	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	21489	03/14/22 09:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21466	03/15/22 07:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		10			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 15:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21309	03/10/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 00:51	CH	XEN MID

Client Sample ID: 4A Lab Sample ID: 880-12263-7 Date Collected: 03/08/22 11:30 Matrix: Solid Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21301	03/10/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 17:26	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 15:33	AJ	XEN MID
	30012 039 039			88						

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Lab Sample ID: 880-12263-7

Matrix: Solid

Date Collected: 03/08/22 11:30 Date Received: 03/09/22 16:56

Date Received: 03/09/22 16:56

Client Sample ID: 4A

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21309	03/10/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			21542	03/13/22 03:00	CH	XEN MID

Lab Sample ID: 880-12263-8 Client Sample ID: 4B Date Collected: 03/08/22 11:30

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 XEN MID 5.01 g 5 mL 21301 03/14/22 17:00 KL Prep Total/NA 8021B Analysis 5 mL 5 mL 21616 03/15/22 17:46 AJ XEN MID Total/NA Analysis Total BTEX 21552 03/14/22 14:33 AJ XEN MID Total/NA Analysis 8015 NM 1 21532 03/14/22 12:26 AJ XEN MID 03/11/22 13:33 DM Total/NA 8015NM Prep XEN MID Prep 10.00 a 10 mL 21393 Total/NA Analysis 8015B NM 21442 03/13/22 15:54 AJ XEN MID DI Leach 21310 03/10/22 12:21 CH XEN MID Soluble Leach 50 mL 5 g Soluble 300.0 1 03/21/22 17:35 CH XEN MID Analysis 21970

Client Sample ID: 5A Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 18:07	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21442	03/14/22 07:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		5			21970	03/21/22 18:01	CH	XEN MID

Lab Sample ID: 880-12263-10 Client Sample ID: 5B Date Collected: 03/08/22 12:00 Matrix: Solid Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 18:27	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 16:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21310	03/10/22 12:21	СН	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 18:10	CH	XEN MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht

Job ID: 880-12263-1 SDG: Lea County, NM

Lab Sample ID: 880-12263-11

Matrix: Solid

Client Sample ID: 6A
Date Collected: 03/08/22 12:00
Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 20:11	KL	XEN MID
Total/NA	Prep	5035			4.99 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 18:47	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		18			21970	03/21/22 18:19	CH	XEN MID

Lab Sample ID: 880-12263-12

Date Collected: 03/08/22 12:00 Date Received: 03/09/22 16:56

Client Sample ID: 6B

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 20:31	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 19:08	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 17:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 18:28	CH	XEN MID

Client Sample ID: 7A

Lab Sample ID: 880-12263-13

Matrix: Solid

Date Collected: 03/08/22 12:15 Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 20:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 18:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 18:54	CH	XEN MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 7B

Lab Sample ID: 880-12263-14

Matrix: Solid

Date Collected: 03/08/22 12:15 Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	21616	03/16/22 02:17	AJ	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	21705	03/17/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21801	03/17/22 17:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 18:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 19:03	CH	XEN MID

Lab Sample ID: 880-12263-15

Matrix: Solid

Date Collected: 03/08/22 13:00 Date Received: 03/09/22 16:56

Client Sample ID: 8A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21616	03/16/22 02:38	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21310	03/10/22 12:21	СН	XEN MID
Soluble	Analysis	300.0		5			21970	03/21/22 19:12	CH	XEN MID

Client Sample ID: 8B

Date Collected: 03/08/22 13:00

Date Received: 03/09/22 16:56

Lab Sample ID: 880-12263-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 07:39	AJ	XEN MID
Total/NA	Analysis	Total BTEX		18			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 19:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21310	03/10/22 12:21	CH	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 19:21	CH	XEN MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Client Sample ID: 9A Date Collected: 03/08/22 13:10 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21290	03/11/22 11:16	KL	XEN MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	21615	03/16/22 06:19	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		10			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 19:25	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21310	03/10/22 12:21	СН	XEN MID
Soluble	Analysis	300.0		1			21970	03/21/22 19:30	CH	XEN MID

Client Sample ID: 9B Date Collected: 03/08/22 13:10 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-18

Matrix: Solid

Dil Initial Batch Batch Batch Final Prepared Method Prep Type Type Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.03 g 5 mL 21290 03/11/22 11:16 KL XEN MID Total/NA 8021B 03/16/22 06:40 AJ 5 ml 21615 XEN MID Analysis 5 ml Total/NA Analysis Total BTEX 21552 03/14/22 14:33 AJ XEN MID Total/NA Analysis 8015 NM 1 21532 03/14/22 12:26 AJ XEN MID 8015NM Prep 03/11/22 13:33 DM XEN MID Total/NA 21393 Prep 10.03 g 10 mL Total/NA Analysis 8015B NM 21442 03/13/22 19:46 AJ XEN MID Soluble 21310 03/10/22 12:21 CH XEN MID DI Leach Leach 5.05 a 50 ml Soluble Analysis 300.0 1 21970 03/21/22 19:39 CH XEN MID

Client Sample ID: 10A Date Collected: 03/08/22 13:30 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	92011.12		4.97 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 21:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		10			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 20:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21308	03/10/22 12:10	СН	XEN MID
Soluble	Analysis	300.0		1			21949	03/20/22 11:42	SC	XEN MID

Client Sample ID: 10B Date Collected: 03/08/22 13:30 Date Received: 03/09/22 16:56 Lab Sample ID: 880-12263-20

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	21697	03/17/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	21774	03/17/22 16:23	KL	XEN MID

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Lab Chronicle

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Lab Sample ID: 880-12263-20

Matrix: Solid

Client Sample ID: 10B Date Collected: 03/08/22 13:30 Date Received: 03/09/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	62/1012	2.002.000	5.04 g	5 mL	21696	03/16/22 09:01	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21704	03/16/22 18:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21552	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		10			21532	03/14/22 12:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21393	03/11/22 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21442	03/13/22 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21308	03/10/22 12:10	СН	XEN MID
Soluble	Analysis	300.0		1			21949	03/20/22 11:53	SC	XEN MID

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Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-21-22	08-30-22
The following analyte the agency does not o	The state of the s	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

10

12

13

12

Eurofins Midland

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Method Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

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

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Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-800/4-79-020, March 1983 And Subsequent Revisions. SW848 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1988 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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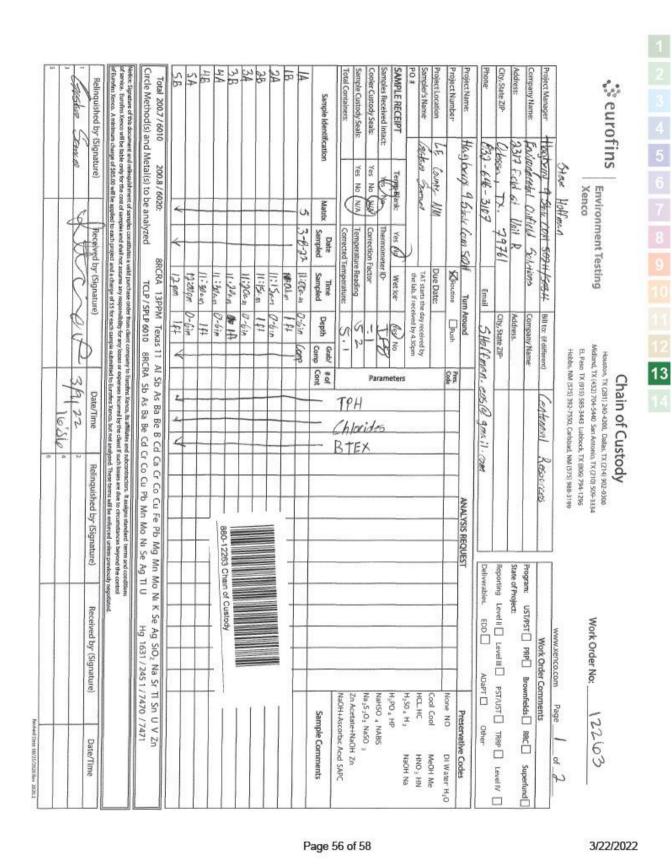
Sample Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hagberry 9 State COM 502Ht Job ID: 880-12263-1 SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12263-1	1A	Solid	03/08/22 11:00	03/09/22 16:56	0-6in
880-12263-2	1B	Solid	03/08/22 11:00	03/09/22 16:56	1 ft
880-12263-3	2A	Solid	03/08/22 11:15	03/09/22 16:56	0-6in
880-12263-4	28	Solid	03/08/22 11:15	03/09/22 16:56	1 ft
880-12263-5	3A	Solid	03/08/22 11:20	03/09/22 16:56	0-6in
880-12263-6	3B	Solid	03/08/22 11:20	03/09/22 16:56	1 ft
880-12263-7	4A	Solid	03/08/22 11:30	03/09/22 16:56	0-8in
880-12263-8	4B	Solid	03/08/22 11:30	03/09/22 16:56	1 ft
880-12263-9	5A	Solid	03/08/22 12:00	03/09/22 16:56	0-6in
880-12263-10	5B	Solid	03/08/22 12:00	03/09/22 16:56	1 ft
880-12263-11	6A	Solid	03/08/22 12:00	03/09/22 16:56	0-6in
880-12263-12	6B	Solid	03/08/22 12:00	03/09/22 16:56	1 ft
880-12263-13	7A	Solid	03/08/22 12:15	03/09/22 16:56	0-6in
880-12263-14	7B	Solid	03/08/22 12:15	03/09/22 16:56	1 ft
880-12263-15	8A	Solid	03/08/22 13:00	03/09/22 16:56	0-6in
880-12263-16	8B	Solid	03/08/22 13:00	03/09/22 16:56	1 ft
880-12263-17	9A	Solid	03/08/22 13:10	03/09/22 16:56	0-8in
880-12263-18	9B	Solid	03/08/22 13:10	03/09/22 16:56	1 ft
380-12263-19	10A	Solid	03/08/22 13:30	03/09/22 16:56	0-6in
880-12263-20	10B	Solid	03/08/22 13:30	03/09/22 16:56	1 ft

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Eurofins3Midland2



S carollis		Environment Testing	ting	Hou Midlan	ston, TX (281 d, TX (432) 7/	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	0	Work Order No: 12:	2263
	On the second			EL Pa	so, TX (915) 5 % NM (575) :	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs. NM (575) 392-7550, Carlsbad, NM (575) 988-3199	99 6	www.xenco.com Page	2 00 2
Project Manager	いする。出るなる	4		Bill to: (If different)	á	Continuial Resources	-i,	⊒	
Company Name:	Otto 1	Marie	Solvies	Company Name:		- 1		JIST/PST	BR-
Address.	1	Unit	N. Carrier	Address:	-		State	State of Project:	NRC Superfund
City, State ZIP-	Odessa, TX	1924		City, State ZIP-			Repo	Reporting Level III Level III PST/UST TRRP Level IV	TRRP Level IV
Phone:	833-64-3107		Emall	5 Hoffman . cos	6n . Co	5 P amsil.com	Deliv		Other:
Project Name:	Healmore 9 State Com	Com son		Turn Around			ANALYSIS REQUEST	Divi	Constant Code
Project Number			X Bour	Rush	P. P.			No.	SAMPAG
Project Location.	MN struct 37		Due Date:					20 20 20 20 20 20 20 20 20 20 20 20 20 2	
Sampler's Name			TAT starts the	TAT starts the day received by				HO HO	9
PO#			the lab, if rece	the lab, if received by 4:30pm				H,50 a H,	NaOH Na
SAMPLE RECEIPT	Temp Blank:	Yey No	Wet ice-	ON CON	eters	S			
Samples Received Intact:		Thermometer ID-	TID-	H PG	rame	20		Nation N	NARIS
Cooler Custody Seals:	Yes No Way	Correction Factor	actor	. 1	200	911E		OSeN O-S- EN	Na.S.O. NaSO
Sample Custody Seals:	Yes No KIA	Temperature Reading	Reading.	5.2				Zn Aceta	Zn Acetate+NaOH Zn
Total Containers:		Corrected Temperature:	imperature:	5.		0		NaOH+A	NaOH+Ascorbic Acid SAPC
Sample Identification	cation Matrix	Sampled	Time	Depth Grab/	cont f			Sa	Sample Comments
64	2	22		The a long					
6 B		200	- 1						
YE		12:1500		0-6.5					
2 B		12:7500		14					
84		100		0.6.0					
85		100		14.1					
34		1.10cm		0-600					
18		1. Ibsn		14	T				
10 B	4	13300m	4	121		¢			
Total 200,7 / 6010 Circle Method(s) ar	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed		CRA 13PPM Texas TCLP/SPLP 6010	V-	Al Sb As CRA Sb A	Ba Be B Cd Ca Cr Co	Cu Fe Pb Mg Mn I	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn b Mn Mo Ni Se Ag Tl U Ho 1631/2451/7470 /7471	J V Zn
Notice: Signature of this docum of service: Eurofins Xanco will of Burofins Xanco. A minimum	nent and relinquishment of sam ba liable only for the cost of san charge of \$85.00 will be applied	pies constitutes a w spies and shall not a d to each project an	alid purchase orde assume any respon d a charge of \$5 fo	r from client compan sibility for any losses or each sample subm	ry to Burofins X or expenses in itted to Eurofi	Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurolias Xenco, its affiliates and subcontracturs. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any bases or expenses incurred by the dentification between the order or control of surface and the supplied to each project and a charge of \$5 for each sample submitted to Eurofina Xenco, A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofina Xenco, but not analyzed. These terms will be antiforced unless previously negotiate.	assigns standard terms and con to dicumstances beyond the c	otlated.	
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Login Sample Receipt Checklist

Client: Environmental Oilfield Solutions, LLC

Job Number: 880-12263-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 12263 List Number: 1

Creator: Rodriguez, Leticia

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

Eurofins Midland

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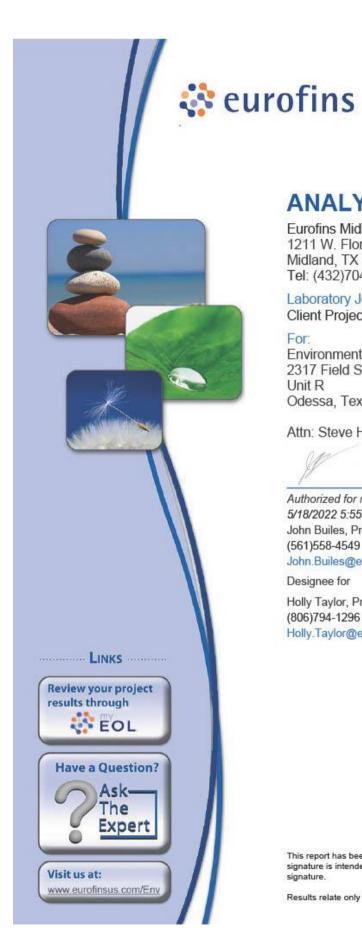
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Environment Testing America

ANALYTICAL REPORT

Furofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-14529-1 Client Project/Site: Hayberry

Environmental Oilfield Solutions, LLC 2317 Field St. Unit R Odessa, Texas 79761

Attn: Steve Hoffman

Authorized for release by: 5/18/2022 5:55:23 PM John Builes, Project Manager (561)558-4549 John.Builes@et.eurofinsus.com

Designee for

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

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

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

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry Laboratory Job ID: 880-14529-1

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Campic Cammary	41
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Eurofins Midland 5/18/2022

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Client: Environn Project/Site: Ha	Definitions/Glossary nental Oilfield Solutions, LLC yberry	Job ID: 880-14529-1
Qualifiers		
GC VOA Qualifier	Qualifier Description	
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.	
LIDI CIIC		
HPLC/IC Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
· .	illulates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
0	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL DA DE IN	Detection Limit (DoD/DOE)	
DL, RA, RE, IN DLC	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
EDL	Decision Level Concentration (Radiochemistry)	
LOD	Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

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Case Narrative

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

Job ID: 880-14529-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-14529-1

Receipt

The samples were received on 5/9/2022 10:50 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 5.3°C

GC VOA

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.

Eurofins Midland 5/18/2022

Client	Sample	Results
--------	--------	---------

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

Lab Sample ID: 880-14529-1 Matrix: Solid

5

Client Sample ID: 1 6in Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50

Sample Depth: 6"

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 17:53	- 1
Toluene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 17:53	1
Ethylbenzene	0.00376		0.00199	mg/Kg		05/14/22 12:45	05/14/22 17:53	
m,p-Xylenes	0.00724		0.00398	mg/Kg		05/14/22 12:45	05/14/22 17:53	1
o-Xylene	0.00806		0.00199	mg/Kg		05/14/22 12:45	05/14/22 17:53	9
Xylenes, Total	0.0153		0.00398	mg/Kg		05/14/22 12:45	05/14/22 17:53	91
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 _ 130			05/14/22 12:45	05/14/22 17:53	1
1,4-Difluorobenzene (Surr)	99		70 _ 130			05/14/22 12:45	05/14/22 17:53	÷1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0191		0.00398	mg/Kg			05/16/22 09:21	1
Method: 8015 NM - Diesel Range	Market Street,							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.6		50.0	mg/Kg			05/11/22 11:43	1
Method: 8015B NM - Diesel Rang								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 13:54	1
Diesel Range Organics (Over C10-C28)	51.6		50.0	mg/Kg		05/10/22 08:21	05/10/22 13:54	1
Oll Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			05/10/22 08:21	05/10/22 13:54	1
o-Terphenyl (Surr)	99		70 - 130			05/10/22 08:21	05/10/22 13:54	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		24.9	mg/Kg			05/12/22 23:25	5

Client Sample ID: 1 4ft

Date Collected: 05/06/22 15:30

Date Received: 05/09/22 10:50

Sample Depth: 4'

Lab Sample ID: 880-14529-2 Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/14/22 12:45 05/14/22 18:14 mg/Kg <0.00200 U Toluene 0.00200 mg/Kg 05/14/22 12:45 05/14/22 18:14 Ethylbenzene <0.00200 U 0.00200 05/14/22 12:45 05/14/22 18:14 mg/Kg <0.00399 U 0.00399 m,p-Xylenes mg/Kg 05/14/22 12:45 05/14/22 18:14 o-Xylene <0.00200 U 0.00200 05/14/22 12:45 05/14/22 18:14 mg/Kg Xylenes, Total <0.00399 U 0.00399 mg/Kg 05/14/22 12:45 05/14/22 18:14 Limits Surrogate %Recovery Qualifier Prepared Analyzed 4-Bromofluorobenzene (Surr) 111 70 _ 130 05/14/22 12:45 05/14/22 18:14

Eurofins Midland

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Client: Environmental Oilfield Solut Project/Site: Hayberry	ions, LLC	Jilon	t Sample Re	e all to			Job ID: 880-	14529-1
Client Sample ID: 1 4ft						Lab Sam	ple ID: 880-1	4529-2
Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50 Sample Depth: 4'						245 8 00 Fe 10 May 10 M	Section .	x: Solid
Method: 8021B - Volatile Organi	c Compounds (GC) (Conti	nued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130			05/14/22 12:45	05/14/22 18:14	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/16/22 09:21	1
Method: 8015 NM - Diesel Range	e Organics (DR)	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	200 pe um com	49.9	mg/Kg			05/11/22 11:43	1
Methods 904ED NM Discol Dan	as Organias (DI	DOLLCCI						
Method: 8015B NM - Diesel Ran Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 12:49	1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 12:49	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 12:49	1
Comments	%Recovery	Ourlier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane (Surr)	%Recovery 95	Qualiner	70 ₋ 130			05/10/22 08:21	05/10/22 12:49	DII Fat
o-Terphenyl (Surr)	95		70 - 130			05/10/22 08:21	05/10/22 12:49	,
o-respirenti (Surr)	33		70 - 130			03/10/22 00.21	03/10/22 12.43	
Method: 300.0 - Anions, Ion Chr	Control of the Contro		RL	Unit	D			D3 F
Analyte Chloride	90.7	Qualifier	4.99	mg/Kg		Prepared	Analyzed 05/12/22 23:33	Dil Fac
Client Comple ID: 2 Cin						Lab Cam	nla ID. 000 4	4520.2
Client Sample ID: 2 6in Date Collected: 05/06/22 15:30						Lab Sam	ple ID: 880-1	4329-3 x: Solid
Date Received: 05/09/22 10:50								
Sample Depth: 6"								
Method: 8021B - Volatile Organi		100						D7.5
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198		0.00198	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
Ethylbenzene	0.0147		0.00198	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
m.p-Xylenes	0.0298		0.00397	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
o-Xylene	0.0310		0.00198	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
Xylenes, Total	0.0608		0.00397	mg/Kg		05/14/22 12:45	05/14/22 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/22 12:45	05/14/22 18:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/14/22 12:45	05/14/22 18:34	1
	X Calculation							
Method: Total BTEX - Total BTE		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTE Analyte	Result	demine						
Table 201	Result 0.0755	quanter	0.00397	mg/Kg			05/16/22 09:21	1
Analyte Total BTEX	0.0755		0.00397	mg/Kg			Commence of the Commence of th	1
Analyte	0.0755 e Organics (DR		0.00397 RL	mg/Kg Unit	D	Prepared	Commence of the Commence of th	1 Dil Fac

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Client: Environmental Oilfield Soluti Project/Site: Hayberry	ions, LLC	Cilen	t Sample Re	suits			Job ID: 880-	14529-1
Client Sample ID: 2 6in						Lab Sam	ple ID: 880-1	4529-3
Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50								ix: Solid
Sample Depth: 6"								
Method: 8015B NM - Diesel Rang	ne Organics (D	RO) (GC)						
Analyte	10.77.000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0	mg/Kg		05/10/22 08:21	05/10/22 14:16	5
(GRO)-C8-C10 Diesel Range Organics (Over	565		50.0	mg/Kg		05/10/22 08:21	05/10/22 14:16	9
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 14:16	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	108		70 _ 130			05/10/22 08:21	05/10/22 14:16	
o-Terphenyl (Surr)	104		70 - 130			05/10/22 08:21	05/10/22 14:16	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	ALTERNATION TO THE PROPERTY OF THE PARTY OF	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161	13621-0100012	4.95	mg/Kg			05/12/22 23:58	1
Client Sample ID: 2 4ft						Lab Cam	ple ID: 880-1	4520 /
Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50 Sample Depth: 4'						Lub Guiii		ix: Solid
Method: 8021B - Volatile Organic	Compounde l	CCI						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201	mg/Kg	- 200	05/14/22 12:45	05/14/22 18:55	
Toluene	< 0.00201							
		U	0.00201	mg/Kg		05/14/22 12:45	05/14/22 18:55	
Ethylbenzene	0.00452	U	0.00201 0.00201			05/14/22 12:45 05/14/22 12:45		
Ethylbenzene m,p-Xylenes		U		mg/Kg			05/14/22 18:55	
	0.00452	U	0.00201	mg/Kg mg/Kg		05/14/22 12:45	05/14/22 18:55 05/14/22 18:55	
m,p-Xylenes	0.00452 0.00896	U	0.00201 0.00402	mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55	
m,p-Xylenes o-Xylene Xylenes, Total	0.00452 0.00896 0.0110 0.0200		0.00201 0.00402 0.00201	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55	
m.pXylenes o-Xylene Xylenes, Total Surrogate	0.00452 0.00896 0.0110 0.0200 %Recovery		0.00201 0.00402 0.00201 0.00402	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed	1 1 1 1 Dil Fac
m.pXylenes o-Xylene Xylenes, Total	0.00452 0.00896 0.0110 0.0200		0.00201 0.00402 0.00201 0.00402 Limits	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100		0.00201 0.00402 0.00201 0.00402 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55	Dil Fa
m.p.Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100		0.00201 0.00402 0.00201 0.00402 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
m.p.Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100	Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 (Calculation Result 0.0245	Qualifier Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 C Calculation Result 0.0245	Qualifier Qualifier Qualifier O) (GC)	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 _ 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 C Calculation Result 0.0245	Qualifier Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 (Calculation Result 0.0245 c Organics (DR Result 130	Qualifier Qualifier O) (GC) Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55 Analyzed 05/16/22 09:21	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 (Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D	Qualifier Qualifier O) (GC) Qualifier RO) (GC)	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 _ 130 RL 0.00402	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/14/22 18:55	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 (Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 05/14/22 18:55 Analyzed 05/16/22 09:21	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 C Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D Result < 50.0	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402 RL 50.0	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared Prepared 05/10/22 08:21	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43 Analyzed 05/10/22 14:37	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 Calculation Result 0.0245 Corganics (DR Result 130 ge Organics (DR Result	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared Prepared	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/11/22 11:43 Analyzed	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 C Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D Result < 50.0	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier U	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402 RL 50.0	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared Prepared 05/10/22 08:21	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43 Analyzed 05/10/22 14:37	Dil Fac
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 C Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D Result <50.0	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier U	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402 RL 50.0	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared Prepared 05/10/22 08:21	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43 Analyzed 05/10/22 14:37	Dil Face Dil Face Dil Face 1 Dil Face 1 Dil Face 1 Dil Face 1 Dil Face 1
m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	0.00452 0.00896 0.0110 0.0200 %Recovery 113 100 (Calculation Result 0.0245 c Organics (DR Result 130 ge Organics (D Result <50.0 130 <50.0	Qualifier Qualifier O) (GC) Qualifier RO) (GC) Qualifier U	0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL 0.00402 RL 50.0 FL 50.0	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared Prepared 05/10/22 08:21 05/10/22 08:21	05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 05/14/22 18:55 Analyzed 05/14/22 18:55 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43 Analyzed 05/10/22 14:37 05/10/22 14:37	Dil Fac

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Client: Environmental Oilfield Solutio Project/Site: Hayberry	ons, LLC	Clien	t Sample Re	sults			Job ID: 880-	14529-1
Client Sample ID: 2 4ft Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50 Sample Depth: 4'						Lab Sam	ple ID: 880-1 Matri	4529-4 ix: Solid
Method: 300.0 - Anions, Ion Chro Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.5		4.97	mg/Kg			05/13/22 00:06	
Client Sample ID: 3 6in						Lah Sam	ple ID: 880-1	4529-5
Date Collected: 05/06/22 15:30 Date Received: 05/09/22 10:50 Sample Depth: 6"							The second secon	x: Solid
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202	mg/Kg		05/14/22 12:45	05/14/22 19:15	1
Toluene	< 0.00202	U	0.00202	mg/Kg		05/14/22 12:45	05/14/22 19:15	1
Ethylbenzene	0.00218		0.00202	mg/Kg		05/14/22 12:45	05/14/22 19:15	xcood?
m,p-Xylenes	< 0.00403	U	0.00403	mg/Kg		05/14/22 12:45	05/14/22 19:15	
o-Xylene	0.00305		0.00202	mg/Kg		05/14/22 12:45	05/14/22 19:15	
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		05/14/22 12:45	05/14/22 19:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			05/14/22 12:45	05/14/22 19:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/14/22 12:45	05/14/22 19:15	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00523	quantities	0.00403	mg/Kg		rispance	05/16/22 09:21	1
Method: 8015 NM - Diesel Range	00000000	1.0000000000000000000000000000000000000	17522	0.227.200	1920	22/10/01/02	572895285933	10000000
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/22 11:43	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 14:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 14:59	91
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	105		70 _ 130			05/10/22 08:21	05/10/22 14:59	- 1
o-Terphenyl (Surr)	100		70 _ 130			05/10/22 08:21	05/10/22 14:59	
Method: 300.0 - Anions, Ion Chro	matography	Solubla						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	INESUIL	Annual	IXL	Oille		repared	rainiyeeu	Ser rate

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Client: Environmental Oilfield Solution	ons, LLC	Clien	t Sample Re	sults			Job ID: 880-	14529-1
Client Sample ID: 3 4ft Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50 Sample Depth: 4'						Lab Sam	ple ID: 880-1 Matri	4529-(x: Solid
Method: 8021B - Volatile Organic		Land of the same	57522		_		12002000	
Analyte Benzene	<0.00201	Qualifier	RL 0.00201	Unit mg/Kg	D	Prepared 05/14/22 12:45	Analyzed 05/14/22 19:36	Dil Fa
Toluene	<0.00201		0.00201			05/14/22 12:45	05/14/22 19:36	
A STATE OF THE STA		Ü	0.00201	mg/Kg		05/14/22 12:45	05/14/22 19:36	
Ethylbenzene	0.00365		0.00201	mg/Kg		05/14/22 12:45	05/14/22 19:36	
m,p-Xylenes	0.00807			mg/Kg				
o-Xylene	0.00916		0.00201	mg/Kg		05/14/22 12:45	05/14/22 19:36	
Xylenes, Total	0.0172		0.00402	mg/Kg		05/14/22 12:45	05/14/22 19:36	
Surrogato	%Recovery	Qualifier	Limits			Propared	Analyzed	Dil Fa
Surrogate 4-Bromofluorobenzene (Surr)	110	Magnifel	70 ₋ 130			Prepared 05/14/22 12:45	05/14/22 19:36	UII Fa
1,4-Difluorobenzene (Surr)	97		70 _ 130			05/14/22 12:45	05/14/22 19:36	
1, Tomacrovenzene (3011)	3/		10.130			UU 17/22 12.43	VOI 17122 13.30	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0209		0.00402	mg/Kg	-		05/16/22 09:21	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			05/11/22 11:43	
Method: 8015B NM - Diesel Rang	10,000,000			1000		-		D7.5
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 15:21	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 15:21	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 15:21	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	106	- Caronine	70 - 130			05/10/22 08:21	05/10/22 15:21	2
o-Terphenyl (Surr)	105		70 - 130			05/10/22 08:21	05/10/22 15:21	
o-respirelyi (Surr)	703		70 - 130			03/10/22 00:21	00/10/22 15.21	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	60.2		5.00	mg/Kg			05/13/22 00:22	
Client Sample ID: 4 6in						Lab Sam	ple ID: 880-1	4529-7
Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50							LANCE TO SERVICE TO SE	x: Solid
Sample Depth: 6" Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 19:56	
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 19:56	
Ethylbenzene	0.00454		0.00200	mg/Kg		05/14/22 12:45	05/14/22 19:56	
m,p-Xylenes	0.00992		0.00400	mg/Kg		05/14/22 12:45	05/14/22 19:56	
o-Xylene	0.0116		0.00200	mg/Kg		05/14/22 12:45	05/14/22 19:56	
Xylenes, Total	0.0215		0.00400	mg/Kg		05/14/22 12:45	05/14/22 19:56	19
Surrogate	%Recovery	C 2000000000000000000000000000000000000	Limits			Prepared	Analyzed	Dil Fa

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Client Sample D: 4 6in Clab Sample D: 880-14529 Matrix: Sol state Received: 05/09/22 16:00 Matrix:	roject/Site: Hayberry	itions, LLC		t Sample Re				Job ID: 880-	14529-
Mathod: 80718							Lab Sam	ple ID: 880-1	4529-
Method: 8021B - Volatile Organic Compounds (GC) (Continued) Surrogate %1Recovery Qualifier Limits 7.4-Dillucobenzine (Surr) 98 70.130 051422 12.45 051422							MONTH OF THE PARTY	A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	
Method: 8021B - Volatile Organic Compounds (GC) (Continued) Surrogane	ate Received: 05/09/22 10:50								
Surrogate Necovery Qualifier Limits Prepared Analyzed Different Nethod: Total BTEX - Total BTEX - Total BTEX - Total BTEX - Result Qualifier Rit Unit Different Prepared Analyzed Different Nethod: S015 NM - Diesel Range Organics (DRC) (GC) Analyte Result Qualifier Rit Unit Different Prepared Analyzed Different Nethod: S015 NM - Diesel Range Organics (DRC) (GC) Analyte Result Qualifier Rit Unit Different Prepared Analyzed Different Different Nethod: S015 NM - Diesel Range Organics (DRC) (GC) Analyte Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (DRC) (GC) Analyte Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (DRC) (GC) Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (GRC) (GC) Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (GRC) (GC) Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (GRC) (GC) Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (GRC) (GC) Result Qualifier Rit Unit Different Nethod: S015 NM - Diesel Range Organics (Orea Case Organics Organics Organics Organic Organics Orga	ample Depth: 6"								
Method: Total BTEX - Total BTEX Calculation Result Qualifier RL Unit D Prepared Analyzed Dil F	Method: 8021B - Volatile Organ	ic Compounds (GC) (Contin	nued)					
Method: Total BTEX - Total BTEX Calculation Result Qualifier RL Unit D Prepared Analyzed Dil F Total BTEX 0.0261 0.00400 mg/Kg 0.016022 00:21	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Analyte									
Analyte	THE SECTIONS AND ENDOUGH								
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil F Dil F Prepared Analyzed Dil F Di			NEW YORK STORE	11523	0.0000	19230	12/10/01/01	0.0000000000000000000000000000000000000	- 5500000
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F Color Co			Qualifier			D	Prepared	Committee Commit	Dil F
Analyte	Total BTEX	0.0261		0.00400	mg/Kg			05/16/22 09:21	
Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	Method: 8015 NM - Diesel Rang	e Organics (DR	0) (GC)						
Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil I Gasoline Range Organics <49.9			/ (Table 1984)	RL	Unit	D	Prepared	Analyzed	Dil F
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	Total TPH	87.0		49.9	mg/Kg			05/11/22 11:43	
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F									
Gasoline Range Organics 449.9 U 49.9 mg/kg 05/10/22 08:21 05/10/22 15:43	Method: 8015B NM - Diesel Rai	nge Organics (DI	RO) (GC)						
CRO.)-C-C-L'10 Diesel Range Organics (Over C28-C38) A49.0 U A9.9 mg/Kg D5/10/22 08:21 D5/10/22 15:43	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Diesel Range Organics (Over C28-C36)		<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 15:43	
C10-C28 C10-C28 C10-C28 C28-C36 C19-C28-C36 C28-C36 C39-D1 C19-C28-C36 C39-D1 C39-	NOTIFIED TO A PROPERTY.			40.0	000000000000000000000000000000000000000		0540000000	05/40/00 45 40	
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil F		87.0		49.9	mg/Kg		05/10/22 08:21	05/10/22 15:43	
1-Chlorocotane (Surr) 99 70.130 05/10/22 08:21 05/10/22 15:43 0-Terphenyl (Surr) 98 70.130 05/10/22 08:21 05/10/22 15:43 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 16:00 05/10/22 10:50 05/10/22 00:17 05/10/20 05/10/22 10:50 05/10/22 10		<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 15:43	
1-Chlorocotane (Surr) 99 70.130 05/10/22 08:21 05/10/22 15:43 0-Terphenyl (Surr) 98 70.130 05/10/22 08:21 05/10/22 15:43 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 00:31 05/10/22 16:00 05/10/22 10:50 05/10/22 00:17 05/10/20 05/10/22 10:50 05/10/22 10		502	E 253	160200				55535 (2)	5235
## Part			Qualifier				The second secon	Control of the contro	Dil F
Method: 30.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F Chloride 66.0 4.99 mg/Kg 05/13/22 00.31 Chloride 66.0 Matrix: Solution of the Color	1-Chlorooctane (Surr)	99		70 _ 130			05/10/22 08:21	05/10/22 15:43	
Lab Sample ID: 880-14529 Matrix: Sol	A STATE OF THE STA		Qualifier			D	Prepared	Contract species and discount in the latest from	Dil F
Matrix: Solution S				4.99	ma/Ka				
### Received: 05/09/22 10:50 #### Received: 05/09/22 10:50 ###################################				4.99	mg/Kg		- 10 STORY	24 SEASON SEASON	
Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F Benzene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 Toluene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 0-Xylene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 0-Xylene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 0-Xylene <0.00199 U 0.00199 mg/Kg 05/14/22 12:45 05/14/22 12:17 0-Xylene <0.00398 U 0.00398 mg/Kg 05/14/22 12:45 05/14/22 12:17 05/14/22 12:45 05/14/22 12:				4.99	mg/Kg		Lab Sam	24 SEASON SEASON	4529
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00			4.88	mg/Kg		Lab Sam	ple ID: 880-1	
Benzene	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50			4.88	mg/Kg		Lab Sam	ple ID: 880-1	
Toluene	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4'	ic Compounds (GC)	4.88	mg/Kg		Lab Sam	ple ID: 880-1	
Ethylbenzene	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ		100			D		ple ID: 880-1 Matri	x: Sol
m.pXylenes	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte	Result	Qualifier	RL	Unit	D_	Prepared	ple ID: 880-1 Matri Analyzed	x: Sol
Comparison of	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene	Result <0.00199	Qualifier U	RL 0.00199	Unit mg/Kg	D	Prepared 05/14/22 12:45	Ple ID: 880-1 Matri Analyzed 05/14/22 20:17	x: Sol
Xylenes, Total <0.00398 U 0.00398 mg/Kg 05/14/22 12:45 05/14/22 20:17	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene	Result <0.00199 <0.00199	Qualifier U U	RL 0.00199 0.00199	Unit mg/Kg mg/Kg	_ D	Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17	x: Sol
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene	Result <0.00199 <0.00199 <0.00199	Qualifier U U U	RL 0.00199 0.00199 0.00199	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17	x: Sol
4-Bromoffuorobenzene (Surr) 111 70 - 130 05/14/22 12:45 05/14/22 20:17 1,4-Difluorobenzene (Surr) 99 70 - 130 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 0	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U	RL 0.00199 0.00199 0.00199 0.00398	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17	x: Sol
4-Bromoffuorobenzene (Surr) 111 70 - 130 05/14/22 12:45 05/14/22 20:17 1,4-Difluorobenzene (Surr) 99 70 - 130 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 05/14/22 12:45 05/14/22 20:17 05/14/22 12:45 0	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199	Qualifier U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17	x: Sol
1,4-Difluorobenzene (Surr) 99 70 - 130 05/14/22 12:45 05/14/22 20:17 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F Total BTEX < 0.00398	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17	Dil F
Analyte Result Qualifier RL Unit D D Prepared Prepared Prepared Dil Fotal BTEX Analyzed Dil Fotal BTEX O5/16/22 09:21 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fotal Prepared Prepared Dil Fotal Prepared Prepared Dil Fotal Prepared Prepared Dil Fotal Prepared	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 Analyzed	Dil F
Analyte Result Qualifier RL Unit D D Prepared Prepared Prepared Dil Fotology Analyzed Dil Fotology Dil Fotology Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Prepared Prepared Prepared Prepared Prepared Dil Fotology	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 Analyzed 05/14/22 20:17	Dil F
Total BTEX <0.00398 U 0.00398 mg/Kg 05/16/22 09:21 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 111 99	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 Analyzed 05/14/22 20:17	Dil F
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 Analyzed 05/14/22 20:17 05/14/22 20:17	Dil F
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte	Result	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 Analyzed O5/14/22 20:17 Analyzed Analyzed	Dil F
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil F	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte	Result	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 Analyzed O5/14/22 20:17 Analyzed Analyzed	Dil F
	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX	Result	Qualifier U U U U U Qualifier U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 O5/14/22 20:17 Analyzed O5/14/22 20:17 Analyzed Analyzed	
	ate Collected: 05/06/22 16:00 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organ Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylenes Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang	Result	Qualifier U U U U U Qualifier U Qualifier U O) (GC)	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17 Analyzed 05/14/22 20:17 05/14/22 20:17 05/14/22 20:17	Dil F

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		Clien	t Sample Re	sults				
client: Environmental Oilfield Solut Project/Site: Hayberry	ions, LLC		5.000 0.000 * 0.000 0.000				Job ID: 880-	14529-1
Client Sample ID: 4 4ft						Lab Sam	ple ID: 880-1	4529-8
Date Collected: 05/06/22 16:00							1000000	x: Solid
Date Received: 05/09/22 10:50								
Sample Depth: 4'								
Method: 8015B NM - Diesel Rang	ge Organics (D	PO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0	mg/Kg		05/10/22 08:21	05/10/22 16:05	-
(GRO)-C8-C10				2000				
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 16:05	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 16:05	-
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93	Qualifier	70 _ 130			05/10/22 08:21	05/10/22 16:05	Dirac
	89		70 - 130			05/10/22 08:21	05/10/22 16:05	
o-Terphenyl (Surr)	03		70 - 130			03/10/22 06.21	03/10/22 16:03	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Control of the Contro	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1	1971	4.96	mg/Kg		•	05/13/22 00:39	-
Client Sample ID: 5 6in						Lab Cam	ple ID: 880-1	4520.0
ample Depth: 6" Method: 8021B - Volatile Organi	c Compounds	(CC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	
Benzene	<0.00198	U	0.00198				Analyzeu	Dil Fac
Toluene			0.00180	mg/Kg	-	05/14/22 12:45	05/14/22 20:37	
TOTALLE	<0.00198	U	0.00198	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45		-
Ethylbenzene	<0.00198 <0.00198						05/14/22 20:37	1
		U	0.00198	mg/Kg		05/14/22 12:45	05/14/22 20:37 05/14/22 20:37	
Ethylbenzene	<0.00198	U U	0.00198 0.00198	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37	
Ethylbenzene m.p-Xylenes	<0.00198 <0.00397	U U U	0.00198 0.00198 0.00397	mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37	1
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total	<0.00198 <0.00397 <0.00198 <0.00397	U U U	0.00198 0.00198 0.00397 0.00198 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37	1
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery	U U U	0.00198 0.00198 0.00397 0.00198 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed	1 1 1 1 Dil Fa
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total	<0.00198 <0.00397 <0.00198 <0.00397	U U U	0.00198 0.00198 0.00397 0.00198 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37	Dil Fa
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery	U U U	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97	U U U	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result	U U U Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97	U U U Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 05/14/22 20:37	Dil Fa
Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofivorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397	U U U Qualifier U	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 05/14/22 20:37 Analyzed	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Vylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR)	U U U Qualifier Qualifier U O) (GC)	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 _ 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	10757	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/16/22 09:21	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte	<.0.00198 <.0.00397 <0.00198 <0.00397 %Recovery f09 97 X Calculation Result <0.00397 e Organics (DR: Result Result	U U U Qualifier U	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 _ 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/16/22 09:21	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Vylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR)	U U U Qualifier Qualifier U O) (GC)	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 _ 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	10757	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/16/22 09:21	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte	<.0.00198 <.0.00397 <.0.00198 <.0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR Result 57.7	U U U Qualifier Qualifier U O) (GC) Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 _ 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	10757	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/16/22 09:21	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Vylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR Result 57.7 ge Organics (D	U U U Qualifier Qualifier U O) (GC) Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 _ 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	10757	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/16/22 09:21	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR Result 57.7 ge Organics (D	Qualifier Qualifier U O) (GC) Qualifier RO) (GC) Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 - 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43	Dil Fac
Ethylbenzene m.p-Xylenes o-Xylenes Vylenes, Total Surrogate 4-Bromofliuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte	<0.00198 <0.00397 <0.00198 <0.00397 %Recovery 109 97 X Calculation Result <0.00397 e Organics (DR Result 57.7 ge Organics (D Result Result Fr.7 ge Organics (D Result Result Fr.7 ge Organics (D Result Result	Qualifier Qualifier U O) (GC) Qualifier RO) (GC) Qualifier	0.00198 0.00198 0.00397 0.00198 0.00397 Limits 70 - 130 70 - 130 RL 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 Prepared Prepared	05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/14/22 20:37 Analyzed 05/16/22 09:21 Analyzed 05/11/22 11:43	Dil Fac

49.9

49.9

Limits

70 - 130

70 - 130

57.7

<49.9 U

%Recovery Qualifier

100

98

mg/Kg

mg/Kg

Eurofins Midland

Dil Fac

05/10/22 16:26

05/10/22 16:26

Analyzed

05/10/22 16:26

05/10/22 16:26

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05/10/22 08:21

05/10/22 08:21

Prepared

05/10/22 08:21

05/10/22 08:21

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

C10-C28)

Surrogate 1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Client: Environmental Oilfield Solution	ons, LLC	Clien	t Sample Re	sults			Job ID: 880-	14529-1
Client Sample ID: 5 6in Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50 Sample Depth: 6"						Lab Sam	ple ID: 880-1 Matri	4529-9 x: Solid
Method: 300.0 - Anions, Ion Chro Analyte	7,500,000	Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.4		5.00	mg/Kg			05/13/22 01:03	1
Client Sample ID: 5 4ft						Lah Samn	le ID: 880-14	529_10
Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50 Sample Depth: 4'								x: Solid
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 20:57	- 1
Toluene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 20:57	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 20:57	
m,p-Xylenes	< 0.00398	U	0.00398	mg/Kg		05/14/22 12:45	05/14/22 20:57	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 20:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/22 12:45	05/14/22 20:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/14/22 12:45	05/14/22 20:57	-
1,4-Difluorobenzene (Surr)	99		70 - 130			05/14/22 12:45	05/14/22 20:57	1
	0.1.1.1							
Method: Total BTEX - Total BTEX	The state of the s	Qualifier	RL	Unit	D	Prepared		Dil Fac
Analyte Total BTEX	<0.00398	CONTROL OF THE CONTRO	0.00398	mg/Kg		Prepared	Analyzed 05/16/22 09:21	DII FAC
IOGI BIEX	<0.003ea	Ü	0.00380	iliging			03/10/22 08.21	(6)
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	14.10.10.00	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/22 11:43	1
Method: 8015B NM - Diesel Rang	M. Carlotte	and the second second	RL	Unit	D		12027	D7.5
Analyte Gasoline Range Organics	<50.0	Qualifier	50.0	mg/Kg	U	Prepared 05/10/22 08:21	Analyzed 05/10/22 16:49	Dil Fac
(GRO)-C6-C10				1,000=30=30				
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 16:49	91
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 _ 130			05/10/22 08:21	05/10/22 16:49	- 1
o-Terphenyl (Surr)	104		70 _ 130			05/10/22 08:21	05/10/22 16:49	1
Mathod: 200 0 Aniona los Char	matagraphy	Colubia						
Method: 300.0 - Anions, Ion Chro Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
rmayte	resuit	quamier	KL	Offic	U	repared	miaiyzeu	Dil Fac

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		Clien	t Sample Res	sults				
Client: Environmental Oilfield Solut Project/Site: Hayberry	ions, LLC						Job ID: 880-	14529-
Client Sample ID: 6 6in						Lab Samp	le ID: 880-14	529-11
ate Collected: 05/06/22 16:30							Matri	x: Solid
Date Received: 05/09/22 10:50								
Sample Depth: 6"								
Method: 8021B - Volatile Organi	c Compounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 22:48	1
Toluene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 22:48	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 22:48	1
m,p-Xylenes	< 0.00398	U	0.00398	mg/Kg		05/14/22 12:45	05/14/22 22:48	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/14/22 22:48	91
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/22 12:45	05/14/22 22:48	9
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	70 ₋ 130			05/14/22 12:45	05/14/22 22:48	DII Fac
57 78								
1,4-Difluorobenzene (Surr)	99		70 _ 130			05/14/22 12:45	05/14/22 22:48	i d
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/16/22 09:21	1
Method: 8015 NM - Diesel Range	Organice (DD	OVICE						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg		rrepared	05/11/22 11:43	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 17:32	1
(GRO)-C8-C10	-40.0	.0	40.0	n.c.		05400000000	05/40/00 47 00	33
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 17:32	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 17:32	1
	%Recovery	Ourlifer	Limits			Prepared	Analyzed	Dil Fac
Surrogate		Qualifier				05/10/22 08:21	05/10/22 17:32	DILLAG
1.1 nioronofano (Viuri)						030 10022 00.21		-
1-Chlorooctane (Surr)	108		70 - 130			05/40/00 00:04	05/40/00 47:00	
1-Chlorooctane (Surr) o-Terphenyl (Surr)	112		70 - 130 70 - 130			05/10/22 08:21	05/10/22 17:32	1
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chr	112 omatography -		70 - 130			05/10/22 08:21	05/10/22 17:32	į
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chr Analyte	112 omatography - Result	Soluble Qualifier	70 - 130 RL	Unit	D	05/10/22 08:21 Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chr	112 omatography -		70 - 130	Unit mg/Kg	D			į
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte Chloride	112 omatography - Result		70 - 130 RL	The state of the s	D	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: 6 4ft	112 omatography - Result		70 - 130 RL	The state of the s	D	Prepared	Analyzed 05/13/22 01:36 le ID: 880-14	Dil Fac
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50	112 omatography - Result		70 - 130 RL	The state of the s	<u>D</u>	Prepared	Analyzed 05/13/22 01:36 le ID: 880-14	Dil Fac 1 529-12
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50	112 omatography - Result		70 - 130 RL	The state of the s	D	Prepared	Analyzed 05/13/22 01:36 le ID: 880-14	Dil Fac 1 529-12
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50	omatography - Result 58.8	Qualifier	70 - 130 RL	The state of the s	_ D	Prepared	Analyzed 05/13/22 01:36 le ID: 880-14	Dil Fac 1 529-12
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chridanalyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Dample Depth: 4'	omatography - Result 58.8	Qualifier	70 - 130 RL	The state of the s	D	Prepared	Analyzed 05/13/22 01:36 le ID: 880-14	Dil Fac 1 529-12
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chridanalyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Dample Depth: 4' Method: 8021B - Volatile Organic	omatography - Result 58.8	Qualifier GC) Qualifier	70 - 130 RL 4.97	mg/Kg		Prepared Lab Samp	Analyzed 05/13/22 01:36 le ID: 880-14 Matri	Dil Fac 1 529-12 x: Solid
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl Chloride Client Sample ID: 6 4ft late Collected: 05/06/22 16:30 late Received: 05/09/22 10:50 lample Depth: 4' Method: 8021B - Volatile Organic	omatography - Result 58.8 c Compounds (Result	Qualifier GC) Qualifier U	70 - 130 RL 4.97	mg/Kg Unit mg/Kg		Prepared Lab Samp Prepared	Analyzed 05/13/22 01:36 le ID: 880-14 Matri Analyzed	Dil Fac 1 529-12 x: Solid
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl Chloride Lient Sample ID: 6 4ft sate Collected: 05/06/22 16:30 sate Received: 05/09/22 10:50 sample Depth: 4' Method: 8021B - Volatile Organic Analyte Benzene Toluene	omatography - Result 58.8 c Compounds (Result <0.00200	GC) Qualifier U	RL 4.97	mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 05/14/22 12:45	Analyzed 05/13/22 01:36 le ID: 880-14 Matri Analyzed 05/14/22 23:09 05/14/22 23:09	Dil Fac Dil Fac Dil Fac
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl Chloride Client Sample ID: 6 4ft ate Collected: 05/06/22 16:30 ate Received: 05/09/22 10:50 ample Depth: 4' Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene	58.8 c Compounds (Result <0.00200 <0.00200 <0.00200	GC) Qualifier U U	RL 4.97 RL 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg		Prepared Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/13/22 01:36 le ID: 880-14 Matri Analyzed 05/14/22 23:09 05/14/22 23:09 05/14/22 23:09	Dil Face 1529-12 x: Solid Dil Face
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl (Surr) Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 4' Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	58.8 c Compounds (Result <0.00200 <0.00200 <0.00200 <0.00401	GC) Qualifier U U U	RL 4.97 RL 0.00200 0.00200 0.00200 0.00401	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/13/22 01:36 le ID: 880-14 Matri Analyzed 05/14/22 23:09 05/14/22 23:09 05/14/22 23:09 05/14/22 23:09	Dil Fac
o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Christophenyl (Surr) Analyte Chloride Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 4' Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene	58.8 c Compounds (Result <0.00200 <0.00200 <0.00200	GC) Qualifier U U U U	RL 4.97 RL 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg		Prepared Prepared 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	Analyzed 05/13/22 01:36 le ID: 880-14 Matri Analyzed 05/14/22 23:09 05/14/22 23:09 05/14/22 23:09	Dil Face 1529-12 x: Solid Dil Face

%Recovery Qualifier

104

Limits

70 _ 130

Eurofins Midland

Analyzed

Dil Fac

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Prepared

05/14/22 12:45 05/14/22 23:09

Surrogate

4-Bromofluorobenzene (Surr)

Client: Environmental Oilfield Solu Project/Site: Hayberry	itions, LLC	Cilen	t Sample Re	suits			Job ID: 880-	14529-1
Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 4'						Lab Samp	le ID: 880-14 Matri	529-12 x: Solid
Method: 8021B - Volatile Organi	ic Compounds (GC) (Contin	ued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96	quanter	70 - 130			05/14/22 12:45	05/14/22 23:09	1
Method: Total BTEX - Total BTE	V Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401		0.00401	mg/Kg	_	ricparco	05/16/22 09:21	1
				100000000000000000000000000000000000000				
Method: 8015 NM - Diesel Rang								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/22 11:43	1
Method: 8015B NM - Diesel Ran	nga Organice (D	DOVICE)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9		49.9	mg/Kg		05/10/22 08:21	05/10/22 17:54	1
(GRO)-C8-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 17:54	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	311	49.9	mg/Kg		05/10/22 08:21	05/10/22 17:54	1
Oil Range Organics (Over 025-030)	V40.0	Ü	48.0	mgreg		03/10/22 05.21	00/10/22 17.04	18
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 _ 130			05/10/22 08:21	05/10/22 17:54	1
o-Terphenyl (Surr)	112		70 - 130			05/10/22 08:21	05/10/22 17:54	1
Method: 300.0 - Anions, Ion Chi	romatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		5.01	mg/Kg			05/13/22 01:44	1
Client Cample ID: 7 Cin						Lab Samo	In ID: 000 14	520 12
Client Sample ID: 7 6in Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 6"						Lab Samp	le ID: 880-14 Matri	x: Solid
Method: 8021B - Volatile Organi	ic Compounds (GC)						
Analyte	Result	Qualifier	RL	2010/01/24 25		Prepared	Analyzed	DO For
				Unit	D			_
Benzene		U	0.00200	mg/Kg	D	05/14/22 12:45	05/14/22 23:29	1
Toluene	<0.00200	U	0.00200 0.00200	mg/Kg mg/Kg	D	05/14/22 12:45	05/14/22 23:29	
Toluene Ethylbenzene	<0.00200 <0.00200	U U	0.00200 0.00200 0.00200	mg/Kg mg/Kg mg/Kg	U	05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29	1
Toluene Ethylbenzene m,p-Xylenes	<0.00200 <0.00200 <0.00399	U U	0.00200 0.00200 0.00200 0.00399	mg/Kg mg/Kg mg/Kg mg/Kg	_ 0	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29	1
Toluene Ethylbenzene m,p-Xylenes o-Xylene	<0.00200 <0.00200 <0.00399 <0.00200	U U U	0.00200 0.00200 0.00200 0.00399 0.00200	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29	1 1 1
Toluene Ethylbenzene m,p-Xylenes	<0.00200 <0.00200 <0.00399	U U U	0.00200 0.00200 0.00200 0.00399	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29	1 1 1
Toluene Ethylbenzene m.p-Xylenes o-Xylene	<0.00200 <0.00200 <0.00399 <0.00200	U U U U	0.00200 0.00200 0.00200 0.00399 0.00200	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29	1 1 1 1 1
Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total	<0.00200 <0.00200 <0.00399 <0.00200 <0.00399	U U U U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00399	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	_ U	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29	1 1 1 1 1 Dil Fac
Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate	<0.00200 <0.00200 <0.00399 <0.00200 <0.00399	U U U U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00389	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	_ 0	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed	1 1 1 1 1 Dil Fac
Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.00200 <0.00200 <0.00399 <0.00200 <0.00399 %Recovery 114 91	U U U U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00389 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed 05/14/22 23:29	1 1 1 1 1 Dil Fac
Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)	<0.00200 <0.00200 <0.00399 <0.00399 0.00399 %Recovery 114 91 EX Calculation	U U U U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00389 Limits 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed 05/14/22 23:29	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE	<0.00200 <0.00200 <0.00399 <0.00399 0.00399 %Recovery 114 91 EX Calculation	U U U U Qualifier	0.00200 0.00200 0.00200 0.00399 0.00200 0.00399 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed 05/14/22 23:29 05/14/22 23:29	Dil Face Dil Face Dil Face 1 Dil Face
Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX	<0.00200 <0.00200 <0.00399 <0.00399 %Recovery 114 91 EX Calculation Result <0.00399	U U U U Qualifier U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00389 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed 05/14/22 23:29 05/14/22 23:29	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte	<0.00200 <0.00200 <0.00399 <0.00200 <0.00399 %Recovery 114 91 EX Calculation Result <0.00399	U U U U Qualifier U	0.00200 0.00200 0.00200 0.00389 0.00200 0.00389 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	2000	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 05/14/22 23:29 Analyzed 05/14/22 23:29 05/14/22 23:29	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Client Sample ID: 7 6in						Lab Samp	le ID: 880-14	529-13
Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50						Lub Gump		x: Solid
Sample Depth: 6"								
Method: 8015B NM - Diesel Rang Analyte	100000	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 18:15	
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 18:15	
Oli Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 18:15	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	109		70 _ 130			05/10/22 08:21	05/10/22 18:15	
o-Terphenyl (Surr)	104		70 - 130			05/10/22 08:21	05/10/22 18:15	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	And the second s	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	57.8	3000000	4.99	mg/Kg		. repaire	05/13/22 08:13	
Client Sample ID: 7 4ft						Lah Camp	le ID: 880-14	520 1
Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 4'							Matri	x: Soli
Method: 8021B - Volatile Organic	00.33391.49	A CONTROL OF THE PARTY.	DI.	11-4				D3 F-
Analyte Benzene		Qualifier	RL 0.00004	Unit	D	Prepared	Analyzed	Dil Fa
Toluene	<0.00201 <0.00201		0.00201	mg/Kg mg/Kg		05/14/22 12:45	05/14/22 23:50 05/14/22 23:50	
Ethylbenzene	0.00245	ŭ	0.00201	mg/Kg		05/14/22 12:45	05/14/22 23:50	
	0.00243		0.00201	mg/Kg		05/14/22 12:45	05/14/22 23:50	
m,p-Xylenes o-Xylene	0.00336		0.00201	mg/Kg		05/14/22 12:45	05/14/22 23:50	
Xylenes, Total	0.0148		0.00402	mg/Kg		05/14/22 12:45	05/14/22 23:50	
Summaria	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Surrogate 4-Bromofluorobenzene (Surr)	106	Qualifier	70 - 130			05/14/22 12:45	05/14/22 23:50	DII Fa
1,4-Difluorobenzene (Surr)	92		70 - 130 70 - 130			05/14/22 12:45	05/14/22 23:50	
	NAME OF THE PERSON							
Method: Total BTEX - Total BTEX Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0172	qualifier	0.00402	mg/Kg		rrepareu	05/18/22 09:21	Dillira
Method: 8015 NM - Diesel Range		A STATE OF THE STA	0500		5050	10000000000	0.0000000000000000000000000000000000000	15000000
Analyte	100000000000000000000000000000000000000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	102		49.9	mg/Kg			05/11/22 11:43	
Method: 8015B NM - Diesel Rang	e Organics (Di	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C8-C10	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 18:37	
Diesel Range Organics (Over C10-C28)	102		49.9	mg/Kg		05/10/22 08:21	05/10/22 18:37	8
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 18:37	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	107		70 - 130			05/10/22 08:21	05/10/22 18:37	- 3

70 - 130

100

Client Sample Results

Eurofins Midland

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05/10/22 08:21 05/10/22 18:37

o-Terphenyl (Surr)

		Clien	t Sample Re	sults				
Client: Environmental Oilfield Solutio Project/Site: Hayberry	ons, LLC						Job ID: 880-	14529-
Client Sample ID: 7 4ft						Lab Samp	le ID: 880-14	529-14
Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 4'							Matri	x: Solid
Sample Deput. 4								
Method: 300.0 - Anions, Ion Chro Analyte	- 25.00	Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.7		5.05	mg/Kg			05/13/22 08:21	
Client Sample ID: 8 6in						Lab Samp	le ID: 880-14	529-15
Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 6"								x: Solid
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/15/22 00:10	
Toluene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/15/22 00:10	- 1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/15/22 00:10	
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		05/14/22 12:45	05/15/22 00:10	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/15/22 00:10	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/22 12:45	05/15/22 00:10	4
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	111		70 - 130			05/14/22 12:45	05/15/22 00:10	
1,4-Difluorobenzene (Surr)	92		70 - 130			05/14/22 12:45	05/15/22 00:10	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	THE RESERVE OF THE PARTY OF THE	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	CONTRACTOR OF THE PARTY OF THE	0.00400	mg/Kg			05/16/22 09:21	
Method: 8015 NM - Diesel Range	Organice (DD	O) (GC)						
Analyte	000000000000000000000000000000000000000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0		50.0	mg/Kg		ricparco	05/11/22 11:43	Dirita
Method: 8015B NM - Diesel Rang Analyte	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0	mg/Kg		05/10/22 08:21	05/10/22 18:58	
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 18:58	9
Oll Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 18:58	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	104	- admirer	70 _ 130			05/10/22 08:21	05/10/22 18:58	Diria
o-Terphenyl (Surr)	101		70 _ 130			05/10/22 08:21	05/10/22 18:58	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result		RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.6		4.97	mg/Kg			05/13/22 01:55	

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Client: Environmental Oilfield Soluti Project/Site: Hayberry								
Client Sample ID: 8 4ft						Lab Samo	le ID: 880-14	529-1
ate Collected: 05/06/22 16:30								ix: Soli
ate Received: 05/09/22 10:50							maur	ix. Juli
Sample Depth: 4'								
Martin de angula de la Compania		001						
Method: 8021B - Volatile Organic		La Company of the Com	-	44.74			200	D3.5
Analyte		Qualifier	RL 0.00100	Unit	D	Prepared 05/14/22 12:45	Analyzed	Dil Fa
Benzene	<0.00199		0.00199	mg/Kg			05/15/22 00:30	
Toluene	<0.00199	(2)	0.00199	mg/Kg		05/14/22 12:45	05/15/22 00:30	
Ethylbenzene	< 0.00199		0.00199	mg/Kg		05/14/22 12:45	05/15/22 00:30	
m,p-Xylenes	<0.00398		0.00398	mg/Kg		05/14/22 12:45	05/15/22 00:30	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		05/14/22 12:45	05/15/22 00:30	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/22 12:45	05/15/22 00:30	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	108		70 _ 130			05/14/22 12:45	05/15/22 00:30	
1,4-Difluorobenzene (Surr)	96		70 _ 130			05/14/22 12:45	05/15/22 00:30	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/16/22 09:21	
		T. A. C. S. C. C.						
Method: 8015 NM - Diesel Range								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<49.8	U	49.8	mg/Kg			05/11/22 11:43	
Method: 904ER NM Dissel Dans	o Organica (D	201/001						
Method: 8015B NM - Diesel Rang			RL	Unit	D		011	Dil F
Analyte	1977/17/2017	Qualifier	49.8			Prepared	Analyzed 05/10/22 19:20	DILF
Gasoline Range Organics	<49.8	U	49.0	mg/Kg		05/10/22 08:21	05/10/22 19:20	
(GRO)-C8-C10 Diesel Range Organics (Over	<49.8	ii	49.8	mg/Kg		05/10/22 08:21	05/10/22 19:20	
C10-C28)	-10.0		10.0	mgrid		00110122 00.21	00/10/22 10.20	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/10/22 08:21	05/10/22 19:20	
2000	**5	0 17					0.2	57.5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane (Surr)	77		70 - 130			05/10/22 08:21	05/10/22 19:20	
o-Terphenyl (Surr)	74		70 - 130			05/10/22 08:21	05/10/22 19:20	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	94.2		4.95	mg/Kg			05/13/22 02:03	
lient Sample ID: 9 6in						I ah Samn	le ID: 880-14	529.1
						Lub Sump		
-t- C-IItI- 05/06/22 46.20							mauri	ix: Sol
ate Received: 05/09/22 10:50								
ate Received: 05/09/22 10:50								
ate Received: 05/09/22 10:50 ample Depth: 6"	: Compounds	GC)						
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organio		GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organic Analyte	Result	Qualifier		- 10 miles	D	Prepared 05/14/22 12:45	Analyzed 05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organio Analyte Benzene	Result <0.00198	Qualifier U	RL 0.00198 0.00198	mg/Kg	D	05/14/22 12:45	05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organio Analyte Benzene Toluene	Result <0.00198 <0.00198	Qualifier U U	0.00198 0.00198	mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organio Analyte Benzene Toluene Ethylbenzene	<0.00198 <0.00198 <0.00198	Qualifier U U U	0.00198 0.00198 0.00198	mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51 05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	Result <0.00198<0.00198<0.00198<0.00397	Qualifier U U U U	0.00198 0.00198 0.00198 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	Result <0.00198 <0.00198 <0.00198 <0.00397 <0.00198	Qualifier U U U U	0.00198 0.00198 0.00198 0.00397 0.00198	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51	Dil F
ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	Result <0.00198<0.00198<0.00198<0.00397	Qualifier U U U U	0.00198 0.00198 0.00198 0.00397	mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51	Dil F
ate Collected: 05/06/22 16:30 ate Received: 05/09/22 10:50 ample Depth: 6" Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate	Result <0.00198 <0.00198 <0.00198 <0.00397 <0.00198	Qualifier U U U U U U	0.00198 0.00198 0.00198 0.00397 0.00198	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45 05/14/22 12:45	05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51 05/15/22 00:51	Dil Fa

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Client: Environmental Oilfield S Project/Site: Hayberry	olutions, LLC	Clien	t Sample Re	sults			Job ID: 880-	14529-1
Client Sample ID: 9 6in Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Sample Depth: 6"	Do .					Lab Samp	le ID: 880-14 Matri	529-17 ix: Solid
Method: 8021B - Volatile Org	janic Compounds (GC) (Contin	nued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130			05/14/22 12:45	05/15/22 00:51	
Method: Total BTEX - Total E	STEX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			05/16/22 09:21	
Maria de constante di contra	0	0) (00)						
Method: 8015 NM - Diesel Ra			DI.				1141 ST . ST	DUE
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			05/11/22 11:43	
Method: 8015B NM - Diesel F	Dange Organice (D	POLICCI						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9	mg/Kg	_ =	05/10/22 08:21	05/10/22 19:41	
(GRO)-C8-C10	0333224		300003				100000000000000000000000000000000000000	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 19:41	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/22 08:21	05/10/22 19:41	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	104		70 _ 130			05/10/22 08:21	05/10/22 19:41	
o-Terphenyl (Surr)	103		70 - 130			05/10/22 08:21	05/10/22 19:41	
Method: 300.0 - Anions, Ion	Chromatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	60.7		4.99	mg/Kg			05/13/22 02:11	3
Client Sample ID: 9 4ft						Lab Samp	le ID: 880-14	529-18
ate Collected: 05/06/22 17:00)					Lub Gump		ix: Solid
ate Received: 05/09/22 10:50							madi	X. Som
Sample Depth: 4'								
ampio Dopum 1								
Method: 8021B - Volatile Org		0.000						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200	mg/Kg		05/14/22 12:45	05/15/22 01:11	
Toluene	<0.00200		0.00200	mg/Kg		05/14/22 12:45	05/15/22 01:11	
			0.00200	mg/Kg		05/14/22 12:45	05/15/22 01:11	
Ethylbenzene	<0.00200							
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/14/22 12:45	05/15/22 01:11	
		U				05/14/22 12:45 05/14/22 12:45	05/15/22 01:11	
m,p-Xylenes o-Xylene	<0.00401	U U	0.00401	mg/Kg				
m.p-Xylenes o-Xylene Xylenes, Total	<0.00401 <0.00200 <0.00401	U U U	0.00401 0.00200 0.00401	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11	
m.p-Xylenes o-Xylene Xylenes, Total Surrogate	<0.00401 <0.00200 <0.00401 %Recovery	U U U	0.00401 0.00200 0.00401 <i>Limits</i>	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 Prepared	05/15/22 01:11 05/15/22 01:11 Analyzed	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr)	<0.00401 <0.00200 <0.00401 %Recovery	U U U	0.00401 0.00200 0.00401 Limits 70 - 130	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate	<0.00401 <0.00200 <0.00401 %Recovery	U U U	0.00401 0.00200 0.00401 <i>Limits</i>	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr)	<0.00401 <0.00200 <0.00401 %Recovery 110 96	U U U	0.00401 0.00200 0.00401 Limits 70 - 130	mg/Kg mg/Kg		05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	<0.00401 <0.00200 <0.00401 %Recovery 110 96 BTEX Calculation	U U U	0.00401 0.00200 0.00401 Limits 70 - 130	mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E	<0.00401 <0.00200 <0.00401 %Recovery 110 96 BTEX Calculation	U U Qualifier	0.00401 0.00200 0.00401 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg	D	05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11 05/15/22 01:11	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX	<0.00401 <0.00200 <0.00401 %Recovery 110 96 BTEX Calculation Result <0.00401	U U Qualifier Qualifier U	0.00401 0.00200 0.00401 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg Unit	D	05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11 05/15/22 01:11	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra	<0.00401 <0.00200 <0.00401 %Recovery 110 96 BTEX Calculation Result <0.00401 ange Organics (DR)	U U Qualifier Qualifier U O) (GC)	0.00401 0.00200 0.00401 Limits 70 - 130 70 - 130 RL 0.00401	mg/Kg mg/Kg mg/Kg Unit mg/Kg	_	05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45 Prepared	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11 05/15/22 01:11 Analyzed 05/16/22 09:21	Dil Fa
m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX	<0.00401 <0.00200 <0.00401 %Recovery 110 96 BTEX Calculation Result <0.00401 ange Organics (DR)	U U Qualifier Qualifier U O) (GC) Qualifier	0.00401 0.00200 0.00401 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg Unit	D	05/14/22 12:45 05/14/22 12:45 Prepared 05/14/22 12:45 05/14/22 12:45	05/15/22 01:11 05/15/22 01:11 Analyzed 05/15/22 01:11 05/15/22 01:11	Dil Fac

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Client: Environmental Oilfield Solution	ons, LLC	Cilen	t Sample Re	suits			Job ID: 880-	14529-1
Client Sample ID: 9 4ft						Lab Samp	le ID: 880-14	529-18
Date Collected: 05/06/22 17:00 Date Received: 05/09/22 10:50 Sample Depth: 4'							Matri	ix: Solid
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0		50.0	mg/Kg		05/10/22 08:21	05/10/22 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 20:02	1
Oli Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 _ 130			05/10/22 08:21	05/10/22 20:02	1
o-Terphenyl (Surr)	97		70 - 130			05/10/22 08:21	05/10/22 20:02	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.8		4.98	mg/Kg		7	05/17/22 16:46	1
Client Sample ID: 10 6in Date Collected: 05/06/22 17:00 Date Received: 05/09/22 10:50 Sample Depth: 6"						Lab Samp	le ID: 880-14 Matri	329-19 ix: Solid
Method: 8021B - Volatile Organic	Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202	mg/Kg		05/14/22 12:45	05/15/22 01:32	1
Toluene	< 0.00202	U	0.00202	mg/Kg		05/14/22 12:45	05/15/22 01:32	1
Ethylbenzene	0.00209		0.00202	mg/Kg		05/14/22 12:45	05/15/22 01:32	1
m,p-Xylenes	< 0.00403	U	0.00403	mg/Kg		05/14/22 12:45	05/15/22 01:32	1
o-Xylene	0.00690	,3	0.00202	mg/Kg		05/14/22 12:45	05/15/22 01:32	1
Xylenes, Total	0.00690		0.00403	mg/Kg		05/14/22 12:45	05/15/22 01:32	:1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			05/14/22 12:45	05/15/22 01:32	1
1,4-Difluorobenzene (Surr)	94		70 _ 130			05/14/22 12:45	05/15/22 01:32	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00899		0.00403	mg/Kg			05/16/22 09:21	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg	- 707		05/11/22 11:43	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	44 TH 1948 MA	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	<49.9	503 to m. 600	49.9	mg/Kg		05/10/22 08:21	05/10/22 20:24	1
Gasoline Range Organics (GRO)-C8-C10			40.0	mg/Kg		05/10/22 08:21	05/10/22 20:24	1
(GRO)-C8-C10 Diesel Range Organics (Over	<49.9	U	49.9					
(GRO)-C8-C10	<49.9 <49.9		49.9	mg/Kg		05/10/22 08:21	05/10/22 20:24	1
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28)		U				05/10/22 08:21 Prepared	05/10/22 20:24 Analyzed	1 Dil Fac
(GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9					

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Client: Environmental Oilfield Solutio	ns, LLC	Clien	t Sample Re	sults			Job ID: 880-	14529-1
Project/Site: Hayberry								
Client Sample ID: 10 6in						Lab Samp	le ID: 880-14	529-19
Date Collected: 05/06/22 17:00							Matri	ix: Solid
Date Received: 05/09/22 10:50								
Sample Depth: 6"								
Them by appropriate to be the experience								
Method: 300.0 - Anions, Ion Chro								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	55.5		4.95	mg/Kg			05/17/22 16:55	
Client Sample ID: 10 4ft						Lab Samp	le ID: 880-14	529-20
Date Collected: 05/06/22 17:00							Matri	ix: Solid
Date Received: 05/09/22 10:50								
Sample Depth: 4'								
Mathada 2024D Matatha Carania	C	001						
Method: 8021B - Volatile Organic Analyte	The state of the s	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	ACT REPRESENT	0.00201	mg/Kg		05/14/22 12:45	05/15/22 01:52	Dilla
Toluene	< 0.00201	8	0.00201	mg/Kg		05/14/22 12:45	05/15/22 01:52	
Ethylbenzene	0.00327	ŭ	0.00201	mg/Kg		05/14/22 12:45	05/15/22 01:52	
m,p-Xylenes	0.00527		0.00402	mg/Kg		05/14/22 12:45	05/15/22 01:52	
	0.0106		0.00201	mg/Kg		05/14/22 12:45	05/15/22 01:52	
o-Xylene	0.0106		0.00201	mg/Kg		05/14/22 12:45	05/15/22 01:52	
Xylenes, Total	0.0171		0.00402	inging		03/14/22 12:40	03/13/22 01.32	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130			05/14/22 12:45	05/15/22 01:52	
1,4-Difluorobenzene (Surr)	93		70 - 130			05/14/22 12:45	05/15/22 01:52	
Method: Total BTEX - Total BTEX		010025000000	01065	1407-089	V-0351	Viol.5153-9441.0s	0.000 per 5.000 per 5.000	A00005000
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0204		0.00402	mg/Kg			05/16/22 09:21	
Method: 8015 NM - Diesel Range	Organics (DD)	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	55.1	-	50.0	mg/Kg		2,13,000,55	05/11/22 11:43	
	00.1		0.545.0					
Method: 8015B NM - Diesel Range	e Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 20:45	
Diesel Range Organics (Over	55.1		50.0	mg/Kg		05/10/22 08:21	05/10/22 20:45	
C10-C28)			,					
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/22 08:21	05/10/22 20:45	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	103	quanter	70 - 130			05/10/22 08:21	05/10/22 20:45	Dirra
o-Terphenyl (Surr)	102		70 _ 130			05/10/22 08:21	05/10/22 20:45	
6 KT 7 K	HASTO		70.00 (S. 10.00)				N 964 SACONS 191	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	62.1		4.97	mg/Kg			05/17/22 17:04	

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Surrogate Summary

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

Method: 8021B - Volatile Organic Compounds (GC)

Prep Type: Total/NA Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-14529-1	1 6in	112	99	
880-14529-1 MS	1 6in	104	100	
880-14529-1 MSD	1 6in	104	99	
880-14529-2	1 4ft	111	92	
880-14529-3	2 6in	112	94	
880-14529-4	2 4ft	113	100	
880-14529-5	3 6in	115	94	
880-14529-6	3 4ft	110	97	
880-14529-7	4 6in	112	98	
880-14529-8	4 4ft	111	99	
880-14529-9	5 6in	109	97	
880-14529-10	5 4ft	113	99	
880-14529-11	6 6in	110	99	
880-14529-12	6 4ft	104	96	
880-14529-13	7 6in	114	91	
880-14529-14	7 4ft	106	92	
880-14529-15	8 6in	111	92	
880-14529-16	8 4ft	108	96	
880-14529-17	9 6in	115	94	
880-14529-18	9 4ft	110	96	
880-14529-19	10 6in	108	94	
880-14529-20	10 4ft	105	93	
LCS 880-25565/1-A	Lab Control Sample	104	99	
LCSD 880-25565/2-A	Lab Control Sample Dup	107	101	
MB 880-25565/5-A	Method Blank	98	97	
Surrogate Legend				

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

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	reserved to the second of the
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-14529-1	1 6in	102	99	
880-14529-2	1 4ft	95	95	
380-14529-2 MS	1 4ft	101	86	
380-14529-2 MSD	1 4ft	110	98	
880-14529-3	2 6in	108	104	
380-14529-4	2 4ft	112	109	
380-14529-5	3 6in	105	100	
880-14529-6	3 4ft	108	105	
380-14529-7	4 6in	99	98	
380-14529-8	4 4ft	93	89	
880-14529-9	5 6in	100	98	
880-14529-10	5 4ft	105	104	
880-14529-11	6 6in	108	112	
880-14529-12	6 4ft	110	112	

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Surrogate	Summary
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Client: Environmental Oilfield Solutions, LLC

Job ID: 880-14529-1

Project/Site: Hayberry

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

Prep Type: Total/NA

		1001	OTPH1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-14529-13	7 6in	109	104	
880-14529-14	7 4ft	107	100	
880-14529-15	8 6in	104	101	
880-14529-16	8 4ft	77	74	
880-14529-17	9 6in	104	103	
880-14529-18	9 4ft	99	97	
880-14529-19	10 6in	98	96	
880-14529-20	10 4ft	103	102	
LCS 880-25222/2-A	Lab Control Sample	109	92	
LCSD 880-25222/3-A	Lab Control Sample Dup	109	93	
MB 880-25222/1-A	Method Blank	100	102	
Surrogate Legend				

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OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Surrogate

4-Bromofluorobenzene (Surr)

Job ID: 880-14529-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25565/5-A						Client Sa	mple ID: Metho	d Blank
Matrix: Solid							Prep Type: 1	Total/NA
Analysis Batch: 25560							Prep Batch	1: 25565
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Toluene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/22 12:45	05/14/22 17:24	91
	мв	мв						

Limits

70 - 130

1,4-Difluorobenzene (Surr) 97 70.130 05/14/22 12:45 05/14/22 17:24 Lab Sample ID: LCS 880-25565/1-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA

Analysis Batch: 25560 Prep Batch: 25565 Spike LCS LCS %Rec Result Qualifier %Rec Limits Analyte Added Unit 0.100 0.08034 mg/Kg 80 70_130 0.08030 70 - 130 Toluene 0.100 mg/Kg 80 0.08350 mg/Kg 70 - 130 Ethylbenzene 0.100 84 m,p-Xylenes 0.200 0.1723 mg/Kg 86 70 - 130 0.09506 70 _ 130 o-Xylene 0.100

%Recovery Qualifier

98

LCS LCS Limits Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 104 70 _ 130 1,4-Difluorobenzene (Surr) 99 70 - 130

Lab Sample ID: LCSD 880-25565/2-A

Analysis Batch: 25560

Matrix: Solid

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

Prepared

05/14/22 12:45

mg/Kg

Analyzed

05/14/22 17:24

Prep Batch: 25565

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08575		mg/Kg		86	70 - 130	7	35
Toluene	0.100	0.08529		mg/Kg		85	70 - 130	6	35
Ethylbenzene	0.100	0.08749		mg/Kg		87	70 - 130	5	35
m,p-Xylenes	0.200	0.1815		mg/Kg		91	70 _ 130	5	35
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1.4.Diffunmhanzana (Surr)	101		70 130

Lab Sample ID: 880-14529-1 MS

Ma An

atrix: Solid									Prep Type: Total/NA
nalysis Batch: 25560									Prep Batch: 25565
	Sample	Sample	Spike	MS	MS				%Rec
nalyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

Ana Benzene <0.00199 U 0.0992 0.1006 mg/Kg 101 70 - 130 <0.00199 U 0.09827 Toluene 0.0992 mg/Kg 99 70_130

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Client Sample ID: 1 6in

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QC	Samp	le R	esu	lts
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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

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

Lab Sample ID: 880-14529-1 MS Client Sample ID: 1 6in Matrix: Solid Prep Type: Total/NA Analysis Batch: 25560 Prep Batch: 25565 Sample Sample Spike MS MS %Rec Addad 1 imits Analyte Result Qualifier Result Qualifier Unit n %Bac 70 - 130 0.00376 0.0992 0.1007 Ethylbenzene mg/Kg 98 0.00724 m,p-Xylenes 0.198 0.2082 mg/Kg 101 70 - 130 o-Xylene 0.00806 0.0992 0.1116 mg/Kg 104 70 - 130 MS MS Surrogate %Recovery Qualifier Limits 70 _ 130 4-Bromofluorobenzene (Surr) 104 1,4-Difluorobenzene (Surr) 100 70_130

Lab Sample ID: 880-14529-1 MSD

Matrix: Solid

Analysis Batch: 25560

Sample Sample Spike MSD MSD

Client Sample ID: 1 6in Prep Type: Total/NA

Prep Batch: 25565

WRec RPD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <0.00199 U 0.100 0.1001 mg/Kg 100 70 - 130 35 Toluene <0.00199 U 0.100 0.09753 mg/Kg 97 70 - 130 1 35 Ethylbenzene 0.00376 0.100 0.1005 mg/Kg 97 70 - 130 0 35 m,p-Xylenes 0.00724 0.200 0.2053 mg/Kg 00 70_130 35 0.00806 0.100 0.1104 102 70_130 35 o-Xvlene ma/Ka 1

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 104
 70 - 130

 1,4-Difluorobenzene (Surr)
 99
 70 - 130

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

 Lab Sample ID: MB 880-25222/1-A
 Client Sample ID: Method Blank Matrix: Solid

 Analysis Batch: 25233
 Prep Type: Total/NA

 MB MB
 Prep Batch: 25222

 Analyte
 Result Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Gasoline Range Organics
 < 50.0</td>
 mg/Kg
 05/10/22 08:21
 05/10/22 11:44
 1

Gasoline Range Organics <50.0 U 50.0 mg/Kg 05/10/22 08:21 05/10/22 11:44 (GRO)-C8-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/10/22 08:21 05/10/22 11:44 Oll Range Organics (Over C28-C36) <50.0 U 50.0 05/10/22 08:21 mg/Kg 05/10/22 11:44 MR MR

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 1-Chlorooctane (Surr) 100 05/10/22 08:21 05/10/22 11:44 o-Terphenyl (Surr) 102 70 _ 130 05/10/22 08:21 05/10/22 11:44

o-Terphenyl (Surr) 102 70 . 130 05/10/22 08:21 05/10/22 11:44 1

Lab Sample ID: LCS 880-25222/2-A Client Sample ID: Lab Control Sample

 Matrix: Solid
 Prep Type: Total/NA

 Analysis Batch: 25233
 Prep Batch: 25222

 Spike
 LCS
 LCS
 WRec

Analyte Added Result Qualifier Unit n %Rec Limits 1000 969.3 97 70_130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 980.1 70 - 130 mg/Kg 98 C10-C28)

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QC	Samp	le R	esu	lts
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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

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

LCS LCS

Lab Sample ID: LCS 880-25222/2-A Matrix: Solid

Analysis Batch: 25233

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

Prep Batch: 25222

Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 109 70_130 o-Terphenyl (Surr) 92 70_130

Lab Sample ID: LCSD 880-25222/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA

Analysis Batch: 25233

Prep Batch: 25222 LCSD LCSD Spike %Rec RPD %Rec Analyte Added Result Qualifier Unit D Limits RPD Limit Gasoline Range Organics 1000 947.5 mg/Kg 95 70_130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 980 1 mg/Kg 98 70 - 130 0 20 C10-C28)

LCSD LCSD Surrogate "Recovery Qualifier Limits 1-Chlorooctane (Surr) 109 70 - 130 o-Terphenyl (Surr) 70 - 130 93

Lab Sample ID: 880-14529-2 MS Client Sample ID: 1 4ft Matrix: Solid Prep Type: Total/NA Prep Batch: 25222 Analysis Batch: 25233

Spike %Rec Sample Sample MS MS Analyte Result Qualifier Added Result Qualifier %Rec Limits <49.9 [] Gasoline Range Organics 1000 849 0 70 - 130 mg/Kg 83 (GRO)-C8-C10 Diesel Range Organics (Over <49.9 U 1000 980.8 mg/Kg 95 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 101 70_130 o-Terphenyl (Surr) 86 70_130

Lab Sample ID: 880-14529-2 MSD Client Sample ID: 1 4ft Prep Type: Total/NA Matrix: Solid Prep Batch: 25222 Analysis Batch: 25233

MSD MSD %Rec Sample Sample Spike RPD Result Qualifier Added %Rec Result Qualifier Limits Limit <49.9 U 998 1030 70 _ 130 101 19 20 Gasoline Range Organics mg/Kg (GRO)-C8-C10 Diesel Range Organics (Over <49.9 U COR 1147 mg/Kg 112 70 - 130 16 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 110 70 - 130 70 - 130 o-Terphenyl (Surr) 98

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Client: Environmental Oilfield Solutions Project/Site: Hayberry	, LLC		٠,	C Sam	P. O. 1							Job ID	: 880-14	1529-
Method: 300.0 - Anions, Ion Ch	romat	ogra	aphy											
Lab Sample ID: MB 880-25208/1-A											Client S	ample ID:	Method	Blan
Matrix: Solid											Circiit	100	Type: S	
Analysis Batch: 25485													200	
		MB	MB											
Analyte			Qualifier		RL		Unit		D	P	repared	Analyz		Dil Fa
Chloride	•	<5.00	U		5.00		mg/Kg					05/12/22	22:19	
Lab Sample ID: LCS 880-25208/2-A									CI	ient	Sample	ID: Lab Co	ontrol S	amp
Matrix: Solid													Type: S	1.00
Analysis Batch: 25485												100	1700	
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride				250		262.0		mg/Kg			105	90 - 110		
Lab Sample ID: LCSD 990 35309/2								CI	ant f	c and	nla ID. I	ah Cantra	I Campl	le Du
Lab Sample ID: LCSD 880-25208/3-/ Matrix: Solid	A:							CII	ent;	sam	ipie iD: i	Lab Contro	Type: S	
Analysis Batch: 25485												rich	type. 3	Olub
Allalysis Datell, 25405				Spike		LCSD	LCSD					%Rec		RI
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Lin
Chloride				250		262.6		mg/Kg		The same of	105	90 - 110	0	- 8
Lab Sample ID: 880-14529-8 MS												Client Sa		
Matrix: Solid												Prep	Type: S	olub
Analysis Batch: 25485			29277	0.7		100	MS					%Rec		
Analyte	Sample Result		100 Sept.	Spike Added			ma Qualifier	Unit		D	%Rec	Limits		
Chloride	74.1	Quai	iner .	248		324.7	Qualifier	mg/Kg			101	90 - 110		
Lab Sample ID: 880-14529-8 MSD												Client Sa	mple ID): 4 4
Matrix: Solid												Prep	Type: S	olub
Analysis Batch: 25485						****						2/5		-
	Sample			Spike			MSD	10.24		п	N/D	%Rec Limits	DDD	RI
Analyte Chloride	Result 74.1	Quai	mer	Added 248		324.2	Qualifier	Unit mg/Kg		D	%Rec 101	90 - 110	RPD 0	Lir
onionae	77.1			240		J44.2		mgrry			101	00-110		
Lab Sample ID: MB 880-25469/1-A											Client S	ample ID:	Method	Blan
Matrix: Solid												Prep	Type: S	olub
Analysis Batch: 25677														
		MB												
Analyte			Qualifier		RL		Unit		D	P	repared	Analyz	-	Dil F
Chloride	•	<5.00	U		5.00		mg/Kg	18				05/17/22	11:54	
Lab Sample ID: LCS 880-25469/2-A									CI	ient	Sample	ID: Lab Co	ontrol S	amp
Matrix: Solid													Type: S	W 1110
Analysis Batch: 25677												55600000		
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride				250		239.4		mg/Kg			96	90 - 110		
l ab Cample ID. I CCD con ac sees a	er.							CI	ont t	20-	inle ID.	ah Cantr	I Carre	la D
Lab Sample ID: LCSD 880-25469/3-/ Matrix: Solid								Cli	cnt 3	am	ipie iD; l	Lab Contro	Type: S	
Analysis Batch: 25677												Fieb	Type: 3	oiud
rinaryolo Datolii 20011				Spike		LCSD	LCSD					%Rec		RE
Analyte				Added			Qualifier	Unit		D	%Rec	Limits	RPD	Lin
Chloride	_			250		239.4	and an arrange of the			-	96	90 _ 110	0	- :

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

GC VOA

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Total/NA	Solid	8021B	25565
880-14529-2	1 4ft	Total/NA	Solid	8021B	25568
880-14529-3	2 6in	Total/NA	Solid	8021B	25568
880-14529-4	2 4ft	Total/NA	Solid	8021B	25568
880-14529-5	3 6in	Total/NA	Solid	8021B	25568
880-14529-6	3 4ft	Total/NA	Solid	8021B	25565
880-14529-7	4 6in	Total/NA	Solid	8021B	25565
880-14529-8	4 4ft	Total/NA	Solid	8021B	25565
880-14529-9	5 6in	Total/NA	Solid	8021B	25568
880-14529-10	5 4ft	Total/NA	Solid	8021B	25568
880-14529-11	6 6in	Total/NA	Solid	8021B	25568
880-14529-12	6 4ft	Total/NA	Solid	8021B	25565
880-14529-13	7 6in	Total/NA	Solid	8021B	25568
880-14529-14	7 4ft	Total/NA	Solid	8021B	25568
880-14529-15	8 6in	Total/NA	Solid	8021B	25568
880-14529-16	8 4ft	Total/NA	Solid	8021B	25568
880-14529-17	9 6in	Total/NA	Solid	8021B	25565
880-14529-18	9 4ft	Total/NA	Solid	8021B	25565
880-14529-19	10 6in	Total/NA	Solid	8021B	25568
880-14529-20	10 4ft	Total/NA	Solid	8021B	25568
MB 880-25565/5-A	Method Blank	Total/NA	Solid	8021B	25568
LCS 880-25565/1-A	Lab Control Sample	Total/NA	Solid	8021B	25568
CSD 880-25565/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25568
880-14529-1 MS	1 6in	Total/NA	Solid	8021B	25565

880-14529-1 MSD Prep Batch: 25565

1 6in

880-14529-1	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
000 11020 1	1 6in	Total/NA	Solid	5035	
880-14529-2	1 4ft	Total/NA	Solid	5035	
880-14529-3	2 6in	Total/NA	Solid	5035	
880-14529-4	2 4ft	Total/NA	Solid	5035	
880-14529-5	3 6in	Total/NA	Solid	5035	
880-14529-6	3 4ft	Total/NA	Solid	5035	
880-14529-7	4 6in	Total/NA	Solid	5035	
880-14529-8	4 4ft	Total/NA	Solid	5035	
880-14529-9	5 6in	Total/NA	Solid	5035	
880-14529-10	5 4ft	Total/NA	Solid	5035	
880-14529-11	6 6in	Total/NA	Solid	5035	
880-14529-12	6 4ft	Total/NA	Solid	5035	
880-14529-13	7 6in	Total/NA	Solid	5035	
880-14529-14	7 4ft	Total/NA	Solid	5035	
880-14529-15	8 6in	Total/NA	Solid	5035	
880-14529-16	8 4ft	Total/NA	Solid	5035	
880-14529-17	9 6in	Total/NA	Solid	5035	
880-14529-18	9 4ft	Total/NA	Solid	5035	
880-14529-19	10 6in	Total/NA	Solid	5035	
880-14529-20	10 4ft	Total/NA	Solid	5035	
MB 880-25565/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25565/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25565/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Total/NA

Solid

Eurofins Midland

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25565

8021B

QC Association Summary

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

GC VOA (Continued)

Prep Batch: 25565 (C	ontinued)
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1 MS	1 6in	Total/NA	Solid	5035	
880-14529-1 MSD	1 6in	Total/NA	Solid	5035	

Analysis Batch: 25596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-14529-1	1 6in	Total/NA	Solid	Total BTEX	
880-14529-2	1 4ft	Total/NA	Solid	Total BTEX	
880-14529-3	2 6in	Total/NA	Solid	Total BTEX	
880-14529-4	2 4ft	Total/NA	Solid	Total BTEX	
880-14529-5	3 6in	Total/NA	Solid	Total BTEX	
880-14529-6	3 4ft	Total/NA	Solid	Total BTEX	
880-14529-7	4 6in	Total/NA	Solid	Total BTEX	
880-14529-8	4 4ft	Total/NA	Solid	Total BTEX	
880-14529-9	5 6in	Total/NA	Solid	Total BTEX	
880-14529-10	5 4ft	Total/NA	Solid	Total BTEX	
880-14529-11	6 6in	Total/NA	Solid	Total BTEX	
880-14529-12	6 4ft	Total/NA	Solid	Total BTEX	
880-14529-13	7 6in	Total/NA	Solid	Total BTEX	
880-14529-14	7 4ft	Total/NA	Solid	Total BTEX	
880-14529-15	8 6in	Total/NA	Solid	Total BTEX	
880-14529-16	8 4ft	Total/NA	Solid	Total BTEX	
880-14529-17	9 6in	Total/NA	Solid	Total BTEX	
880-14529-18	9 4ft	Total/NA	Solid	Total BTEX	
880-14529-19	10 6in	Total/NA	Solid	Total BTEX	
880-14529-20	10 4ft	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 25222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Total/NA	Solid	8015NM Prep	10
880-14529-2	1 4ft	Total/NA	Solid	8015NM Prep	
880-14529-3	2 6in	Total/NA	Solid	8015NM Prep	
180-14529-4	2 4ft	Total/NA	Solid	8015NM Prep	
80-14529-5	3 6in	Total/NA	Solid	8015NM Prep	
80-14529-6	3 4ft	Total/NA	Solid	8015NM Prep	
80-14529-7	4 6in	Total/NA	Solid	8015NM Prep	
80-14529-8	4 4ft	Total/NA	Solid	8015NM Prep	
80-14529-9	5 6in	Total/NA	Solid	8015NM Prep	
80-14529-10	5 4ft	Total/NA	Solid	8015NM Prep	
80-14529-11	6 6in	Total/NA	Solid	8015NM Prep	
80-14529-12	6 4ft	Total/NA	Solid	8015NM Prep	
80-14529-13	7 6in	Total/NA	Solid	8015NM Prep	
880-14529-14	7 4ft	Total/NA	Solid	8015NM Prep	
880-14529-15	8 6in	Total/NA	Solid	8015NM Prep	
80-14529-16	8 4ft	Total/NA	Solid	8015NM Prep	
80-14529-17	9 6in	Total/NA	Solid	8015NM Prep	
380-14529-18	9 4ft	Total/NA	Solid	8015NM Prep	
880-14529-19	10 6in	Total/NA	Solid	8015NM Prep	
80-14529-20	10 4ft	Total/NA	Solid	8015NM Prep	
MB 880-25222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary	QC	Association	Summary
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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

GC Semi VOA (Continued)

Prep Batch: 25222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-25222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-25222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14529-2 MS	1 4ft	Total/NA	Solid	8015NM Prep	
880-14529-2 MSD	1 4ft	Total/NA	Solid	8015NM Prep	

Analysis Batch: 25233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Total/NA	Solid	8015B NM	25222
880-14529-2	1 4ft	Total/NA	Solid	8015B NM	25222
880-14529-3	2 6in	Total/NA	Solid	8015B NM	25222
880-14529-4	2 4ft	Total/NA	Solid	8015B NM	25222
880-14529-5	3 6in	Total/NA	Solid	8015B NM	25222
880-14529-6	3 4ft	Total/NA	Solid	8015B NM	25222
880-14529-7	4 6in	Total/NA	Solid	8015B NM	25222
880-14529-8	4 4ft	Total/NA	Solid	8015B NM	25222
880-14529-9	5 6in	Total/NA	Solid	8015B NM	25222
880-14529-10	5 4ft	Total/NA	Solid	8015B NM	25222
880-14529-11	6 6in	Total/NA	Solid	8015B NM	25222
880-14529-12	6 4ft	Total/NA	Solid	8015B NM	25222
880-14529-13	7 6in	Total/NA	Solid	8015B NM	25222
880-14529-14	7 4ft	Total/NA	Solid	8015B NM	25222
880-14529-15	8 6in	Total/NA	Solid	8015B NM	25222
880-14529-16	8 4ft	Total/NA	Solid	8015B NM	25222
880-14529-17	9 6in	Total/NA	Solid	8015B NM	25222
880-14529-18	9 4ft	Total/NA	Solid	8015B NM	25222
880-14529-19	10 6in	Total/NA	Solid	8015B NM	25222
880-14529-20	10 4ft	Total/NA	Solid	8015B NM	25222
MB 880-25222/1-A	Method Blank	Total/NA	Solid	8015B NM	25222
LCS 880-25222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	25222
LCSD 880-25222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	25222
880-14529-2 MS	1 4ft	Total/NA	Solid	8015B NM	25222
880-14529-2 MSD	1 4ft	Total/NA	Solid	8015B NM	25222

Analysis Batch: 25352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Total/NA	Solid	8015 NM	
880-14529-2	1 4ft	Total/NA	Solid	8015 NM	
880-14529-3	2 6in	Total/NA	Solid	8015 NM	
880-14529-4	2 4ft	Total/NA	Solid	8015 NM	
880-14529-5	3 6in	Total/NA	Solid	8015 NM	
880-14529-6	3 4ft	Total/NA	Solid	8015 NM	
880-14529-7	4 6in	Total/NA	Solid	8015 NM	
880-14529-8	4 4ft	Total/NA	Solid	8015 NM	
880-14529-9	5 6in	Total/NA	Solid	8015 NM	
880-14529-10	5 4ft	Total/NA	Solid	8015 NM	
880-14529-11	6 6in	Total/NA	Solid	8015 NM	
880-14529-12	6 4ft	Total/NA	Solid	8015 NM	
880-14529-13	7 6in	Total/NA	Solid	8015 NM	
880-14529-14	7 4ft	Total/NA	Solid	8015 NM	
880-14529-15	8 6in	Total/NA	Solid	8015 NM	
880-14529-16	8 4ft	Total/NA	Solid	8015 NM	

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QC	Assoc	ciation	Summary

Job ID: 880-14529-1

GC Semi VOA (Continued)

Project/Site: Hayberry

Analysis Batch: 25352 (Continued)

Client: Environmental Oilfield Solutions, LLC

GC Semi VOA (C	ontinued)				
Analysis Batch: 253	52 (Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-17	9 6in	Total/NA	Solid	8015 NM	
880-14529-18	9 4ft	Total/NA	Solid	8015 NM	
880-14529-19	10 6in	Total/NA	Solid	8015 NM	
880-14529-20	10 4ft	Total/NA	Solid	8015 NM	
HPLC/IC					
Leach Batch: 25208					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Soluble	Solid	DI Leach	
880-14529-2	1 4ft	Soluble	Solid	DI Leach	
880-14529-3	2 6in	Soluble	Solid	DI Leach	
880-14529-4	2 4ft	Soluble	Solid	DI Leach	
880-14529-5	3 6in	Soluble	Solid	DI Leach	
880-14529-6	3 4ft	Soluble	Solid	DI Leach	
880-14529-7	4 6in	Soluble	Solid	DI Leach	
880-14529-8	4 4ft	Soluble	Solid	DI Leach	
880-14529-9	5 6in	Soluble	Solid	DI Leach	
880-14529-10	5 4ft	Soluble	Solid	DI Leach	
880-14529-11	6 6in	Soluble	Solid	DI Leach	
880-14529-12	6 4ft	Soluble	Solid	DI Leach	
880-14520-13	7 Rin	Soluble	Solid	DLLeach	

HPLC/IC

Leach Batch: 25208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Soluble	Solid	DI Leach	
880-14529-2	1 4ft	Soluble	Solid	DI Leach	
880-14529-3	2 6in	Soluble	Solid	DI Leach	
880-14529-4	2 4ft	Soluble	Solid	DI Leach	
880-14529-5	3 6in	Soluble	Solid	DI Leach	
880-14529-6	3 4ft	Soluble	Solid	DI Leach	
880-14529-7	4 6in	Soluble	Solid	DI Leach	
880-14529-8	4 4ft	Soluble	Solid	DI Leach	
880-14529-9	5 6in	Soluble	Solid	DI Leach	
880-14529-10	5 4ft	Soluble	Solid	DI Leach	
880-14529-11	6 6in	Soluble	Solid	DI Leach	
880-14529-12	6 4ft	Soluble	Solid	DI Leach	
880-14529-13	7 6in	Soluble	Solid	DI Leach	
880-14529-14	7 4ft	Soluble	Solid	DI Leach	
880-14529-15	8 6in	Soluble	Solid	DI Leach	
880-14529-16	8 4ft	Soluble	Solid	DI Leach	
880-14529-17	9 6in	Soluble	Solid	DI Leach	
MB 880-25208/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25208/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25208/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14529-8 MS	4 4ft	Soluble	Solid	DI Leach	

Leach Batch: 25469

4 4ft

880-14529-8 MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-18	9 4ft	Soluble	Solid	DI Leach	
880-14529-19	10 6in	Soluble	Solid	DI Leach	
880-14529-20	10 4ft	Soluble	Solid	DI Leach	
MB 880-25469/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25469/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25469/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Soluble

Analysis Batch: 25485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-1	1 6in	Soluble	Solid	300.0	25208
880-14529-2	1 4ft	Soluble	Solid	300.0	25208
880-14529-3	2 6in	Soluble	Solid	300.0	25208
880-14529-4	2 4ft	Soluble	Solid	300.0	25208
880-14529-5	3 6in	Soluble	Solid	300.0	25208
880-14529-6	3 4ft	Soluble	Solid	300.0	25208
880-14529-7	4 6in	Soluble	Solid	300.0	25208
880-14529-8	4 4ft	Soluble	Solid	300.0	25208

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LCS 880-25469/2-A

LCSD 880-25469/3-A

Lab Control Sample

Lab Control Sample Dup

25469

25469

ient: Environmental O oject/Site: Hayberry		sociation Summar		Job	ID: 880-14529-1
PLC/IC (Continue	d)				
nalysis Batch: 25485	(Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-9	5 6in	Soluble	Solid	300.0	25208
880-14529-10	5 4ft	Soluble	Solid	300.0	25208
880-14529-11	6 6in	Soluble	Solid	300.0	25208
880-14529-12	6 4ft	Soluble	Solid	300.0	25208
880-14529-13	7 6in	Soluble	Solid	300.0	25208
880-14529-14	7 4ft	Soluble	Solid	300.0	25208
880-14529-15	8 6in	Soluble	Solid	300.0	25208
880-14529-16	8 4ft	Soluble	Solid	300.0	25208
880-14529-17	9 6in	Soluble	Solid	300.0	25208
MB 880-25208/1-A	Method Blank	Soluble	Solid	300.0	25208
LCS 880-25208/2-A	Lab Control Sample	Soluble	Solid	300.0	25208
LCSD 880-25208/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25208
880-14529-8 MS	4 4ft	Soluble	Solid	300.0	25208
880-14529-8 MSD	4 4ft	Soluble	Solid	300.0	25208
nalysis Batch: 25677					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14529-18	9 4ft	Soluble	Solid	300.0	25469
880-14529-19	10 6in	Soluble	Solid	300.0	25469
880-14529-20	10 4ft	Soluble	Solid	300.0	25469
MB 880-25469/1-A	Method Blank	Soluble	Solid	300.0	25469

Soluble

Soluble

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Solid

Solid

300.0

300.0

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Client: Environn		Solutions, LLC		Lab	hronicle	•			Job ID:	880-14529
Project/Site: Ha C lient Samp	5,000,000							Lab Samp	la ID: 8	RN 14520
Date Collected		0						Lan Samp		
Date Received:									i i	Matrix: So
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA Total/NA	Prep Analysis	5035 8021B		1	5.03 g 5 mL	5 mL 5 mL	25565 25560	05/14/22 12:45 05/14/22 17:53	MR MR	XEN MID XEN MID
Total/NA				1	JIIL	JIIIL	25596			
	Analysis	Total BTEX						05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep		20	10.01 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 13:54	SM	XEN MID
Soluble	Leach	DI Leach		22	5.03 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		5			25485	05/12/22 23:25	CH	XEN MID
Client Samp		0						Lab Samp		80-14529 Matrix: So
Date Received:	05/09/22 10:5	0								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035		80	5.01 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 18:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1	100		25233	05/10/22 12:49	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		1			25485	05/12/22 23:33	CH	XEN MID
Client Samp	le ID: 2 6in							Lab Samp	le ID: 88	80-14529
Date Collected Date Received:									1	Matrix: So
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	11777	0.000000	5.04 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 18:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10.01 8	TOTAL	25233	05/10/22 14:16	SM	XEN MID
Soluble	Leach	DI Leach		88	5.05 g	50 mL	25208	05/09/22 16:48	sc	XEN MID
Soluble	Analysis	300.0		1	0.00 g	oo me	25485	05/12/22 23:58	CH	XEN MID
Client Samp	le ID: 2 4ft							Lab Samp	le ID: 88	80-14529
Date Collected	: 05/06/22 15:3							Lub bump		Matrix: So
	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	25565	05/14/22 12:45	MR	XEN MID
	Ampherie	8021B		1	5 mL	5 mL	25560	05/14/22 18:55	MR	XEN MID
Total/NA	Analysis	00210		2017	0 1112	0,00		DOT ! INEE 10.00	and a	

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La				

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Client Sample ID: 2 4ft

Date Collected: 05/06/22 15:30

Date Received: 05/09/22 10:50

Client Sample ID: 3 6in Date Collected: 05/06/22 15:30

Date Received: 05/09/22 10:50

Job ID: 880-14529-1

Lab Sample ID: 880-14529-4

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			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 14:37	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		19			25485	05/13/22 00:06	CH	XEN MID

Lab Sample ID: 880-14529-5

Matrix: Solid

	-	7	

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 19:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		18			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 14:59	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25208	05/09/22 16:48	sc	XEN MID
Soluble	Analysis	300.0		1			25485	05/13/22 00:14	CH	XEN MID

Client Sample ID: 3 4ft

Lab Sample ID: 880-14529-6

Matrix: Solid

Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 19:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		19			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 15:21	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		18			25485	05/13/22 00:22	CH	XEN MID

Client Sample ID: 4 6in

Lab Sample ID: 880-14529-7

Matrix: Solid

Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50

	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	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 19:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		18			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 15:43	SM	XEN MID

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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Job ID: 880-14529-1

Lab Sample ID: 880-14529-7

Matrix: Solid

Client Sample ID: 4 6in
Date Collected: 05/06/22 16:00
Date Received: 05/09/22 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		1			25485	05/13/22 00:31	CH	XEN MID

Client Sample ID: 4 4ft

Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50 Lab Sample ID: 880-14529-8

Matrix: Solid

9

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Number or Analyzed Lab Type Run Factor Amount Analyst Total/NA Prep 5035 5.02 g 5 mL 25565 05/14/22 12:45 MR XEN MID Total/NA 8021B XEN MID 1 5 ml 25560 05/14/22 20:17 MR Analysis 5 ml Total/NA Analysis Total BTEX 1 25596 05/16/22 09:21 SM XEN MID Total/NA Analysis 8015 NM 25352 05/11/22 11:43 SM XEN MID 8015NM Prep 05/10/22 08:21 DM XEN MID Total/NA Prep 10.00 g 10 mL 25222 Total/NA Analysis 8015B NM 25233 05/10/22 16:05 SM XEN MID

5.04 g

Client Sample ID: 5 6in

Soluble

Soluble

Date Collected: 05/06/22 16:00 Date Received: 05/09/22 10:50

Leach

Analysis

DI Leach

300.0

Lab Sample ID: 880-14529-9

05/09/22 16:48 SC

05/13/22 00:39 CH

25208

25485

50 mL

Matrix: Solid

XEN MID

XEN MID

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 20:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 16:26	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		1			25485	05/13/22 01:03	CH	XEN MID

Client Sample ID: 5 4ft

Date Collected: 05/06/22 16:00

Date Received: 05/09/22 10:50

Lab Sample	D: 8	380-145	29-10
------------	------	---------	-------

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			5.03 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 20:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 16:49	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		1			25485	05/13/22 01:11	CH	XEN MID

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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Client Sample ID: 6 6in Date Collected: 05/06/22 16:30

Date Received: 05/09/22 10:50

Job ID: 880-14529-1

Lab Sample ID: 880-14529-11

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	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 22:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 17:32	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25208	05/09/22 16:48	sc	XEN MID
Soluble	Analysis	300.0		1			25485	05/13/22 01:36	CH	XEN MID

Client Sample ID: 6 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50

Batch

Lab Sample ID: 880-14529-12

Prepared

Matrix: Solid

9

Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 4.99 g 25565 05/14/22 12:45 XEN MID Prep 5 mL Total/NA Analysis 8021B 5 mL 5 mL 25560 05/14/22 23:09 MR XEN MID Total/NA Analysis Total BTEX 25596 05/16/22 09:21 XEN MID Total/NA Analysis 8015 NM 25352 05/11/22 11:43 XEN MID SM Total/NA Prep 8015NM Prep 10.03 g 10 mL 25222 05/10/22 08:21 DM XEN MID Total/NA Analysis 8015B NM 25233 05/10/22 17:54 SM XEN MID 25208 XEN MID Soluble Leach DI Leach 4.99 g 50 mL 05/09/22 16:48 SC Soluble Analysis 300.0 25485 05/13/22 01:44 CH XEN MID 1

Initial

Final

Batch

Dil

Client Sample ID: 7 6in Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50

Lab Sample ID: 880-14529-13

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5.01 g Total/NA 5035 5 mL 25565 05/14/22 12:45 XEN MID Total/NA 8021B Analysis 25560 05/14/22 23:29 XEN MID 1 5 ml 5 ml MR Total/NA Analysis Total BTEX 25596 05/16/22 09:21 XEN MID Total/NA Analysis 8015 NM 25352 05/11/22 11:43 SM XEN MID 1 8015NM Prep 05/10/22 08:21 DM XEN MID Total/NA Prep 10.02 g 10 mL 25222 Total/NA Analysis 8015B NM 25233 05/10/22 18:15 SM XEN MID DI Leach 25208 05/09/22 16:48 SC XEN MID Soluble Leach 5.01 g 50 mL 05/13/22 08:13 CH Analysis 1 25485 XEN MID

Client Sample ID: 7 4ft Date Collected: 05/06/22 16:30 Lab Sample ID: 880-14529-14

Matrix: Solid

Date Received: 05/09/22 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/14/22 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID

Eurofins Midland

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Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Client Sample ID: 7 4ft Date Collected: 05/06/22 16:30

Date Received: 05/09/22 10:50

Job ID: 880-14529-1

Lab Sample ID: 880-14529-14

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			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 18:37	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		15			25485	05/13/22 08:21	CH	XEN MID

Client Sample ID: 8 6in Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50

Lab Sample ID: 880-14529-15

9 Matrix: Solid

Batch Dil Initial Final Batch Prepared Prep Type Method Type Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 5.00 g 5 mL 25565 05/14/22 12:45 XEN MID Prep Total/NA 8021B 25580 05/15/22 00:10 XEN MID Analysis 1 5 mL 5 mL MR Total/NA Analysis Total BTEX 25596 05/16/22 09:21 XEN MID Total/NA Analysis 8015 NM 25352 05/11/22 11:43 SM XEN MID 1 Total/NA 8015NM Prep 10.00 g 10 mL 25222 05/10/22 08:21 DM XEN MID Total/NA Analysis 8015B NM 25233 05/10/22 18:58 SM XEN MID 05/09/22 16:48 Soluble Leach DI Leach 5.03 g 50 mL 25208 SC XEN MID Soluble Analysis 300.0 1 25485 05/13/22 01:55 CH XEN MID

Client Sample ID: 8 4ft Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Lab Sample ID: 880-14529-16

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 25565 05/14/22 12:45 MR XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 25580 05/15/22 00:30 MR XEN MID Total/NA Analysis Total BTEX 25596 05/16/22 09:21 XEN MID 25352 XEN MID Total/NA Analysis 8015 NM 1 05/11/22 11:43 SM Total/NA Prep 8015NM Prep 10.04 g 10 mL 25222 05/10/22 08:21 DM XEN MID 8015B NM 1 05/10/22 19:20 Total/NA Analysis 25233 SM XEN MID XEN MID Soluble Leach DI Leach 5.05 g 50 mL 25208 05/09/22 16:48 SC Soluble Analysis 300.0 25485 05/13/22 02:03 CH XEN MID 1

Client Sample ID: 9 6in Date Collected: 05/06/22 16:30 Date Received: 05/09/22 10:50 Lab Sample ID: 880-14529-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	Ivaii	1 dottor	5.04 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 00:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		18			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 19:41	SM	XEN MID

Eurofins Midland

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Client: Environn Project/Site: Ha		Solutions, LLC		Lab	Chronicle	•			Job ID:	880-14529-1
Client Samp	le ID: 9 6in							Lab Sample	e ID: 880)-14529-17
Date Collected Date Received:	: 05/06/22 16:3	78						10 1 January - 10 20 June 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Matrix: Solid
Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach	2,277.0	S. STORY CO.	5.01 g	50 mL	25208	05/09/22 16:48	SC	XEN MID
Soluble	Analysis	300.0		1	3104.0cm		25485	05/13/22 02:11	CH	XEN MID
Client Samp	le ID: 9 4ft							Lab Sample	e ID: 880	0-14529-18
Date Collected Date Received:										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			4.99 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 01:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		18			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 20:02	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	25469	05/12/22 16:08	CH	XEN MID
Soluble	Analysis	300.0		1			25677	05/17/22 16:46	CH	XEN MID
Client Samp	le ID: 10 6in							Lab Sample	e ID: 880	0-14529-19
Date Collected Date Received:								- Control - Cont		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	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 01:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25352	05/11/22 11:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25222	05/10/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25233	05/10/22 20:24	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25469	05/12/22 16:08	CH	XEN MID
Soluble	Analysis	300.0		1			25677	05/17/22 16:55	CH	XEN MID
Client Samp	le ID: 10 4ft							Lab Sample	e ID: 880	0-14529-20
Date Collected Date Received:									1	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		58.	4.97 g	5 mL	25565	05/14/22 12:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 01:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25596	05/16/22 09:21	SM	XEN MID

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XEN MID

XEN MID

XEN MID

XEN MID

XEN MID

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10.01 g

5.03 g

1

5/18/2022

05/11/22 11:43 SM

05/10/22 08:21 DM

05/10/22 20:45 SM

05/12/22 16:08 CH

05/17/22 17:04 CH

25352

25222

25233

25469

25677

10 mL

50 mL

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Analysis

Analysis

Analysis

Prep

Leach

8015 NM

8015NM Prep

8015B NM

DI Leach

300.0

Client: Environmental Oilfield Solutions, LLC

Project/Site: Hayberry

Laboratory References:

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

Job ID: 880-14529-1

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Accreditation/Certification	Summary
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Client: Environmental Oilfield Solutions, LLC

Job ID: 880-14529-1

Project/Site: Hayberry

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-21-22	06-30-22
923 S003 100		경험 중에게 되는 경에 걸린 말을 받았다.		
The following analytes the agency does not of		ut the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for which
-		ut the laboratory is not certif Matrix	ied by the governing authority. This list manager	ay include analytes for which
the agency does not of	er certification.	100.000-001		ay include analytes for which

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Eurofins Midland

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Method Summary

Client: Environmental Oilfield Solutions, LLC

Job ID: 880-14529-1

Proje	ect/Site	Hay	perry

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

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Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-800/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

5/18/2022

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Client: Environ	mental Oilfield Solutions, LLC	Sample Sun	nmary		Job ID: 880-14529-1
Project/Site: Ha	: 전기 (100명) [100명 : 100명 :				300 ID. 000-14329-1
ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-14529-1	1 6in	Solid	05/06/22 15:30	05/09/22 10:50	6"
80-14529-2	1 4ft	Solid	05/06/22 15:30	05/09/22 10:50	4'
80-14529-3	2 6in	Solid	05/08/22 15:30	05/09/22 10:50	6"
80-14529-4	2 4ft	Solid	05/08/22 15:30	05/09/22 10:50	4'
80-14529-5	3 6in	Solid	05/06/22 15:30	05/09/22 10:50	6"
80-14529-6	3 4ft	Solid	05/06/22 16:00	05/09/22 10:50	4'
80-14529-7	4 6in	Solid	05/08/22 16:00	05/09/22 10:50	6"
80-14529-8	4 4ft	Solid	05/06/22 16:00	05/09/22 10:50	4'
80-14529-9	5 6in	Solid	05/08/22 16:00	05/09/22 10:50	6"
80-14529-10	5 4ft	Solid	05/06/22 16:00	05/09/22 10:50	4'
80-14529-11	6 6in	Solid	05/08/22 16:30	05/09/22 10:50	6"
80-14529-12	6 4ft	Solid	05/08/22 16:30	05/09/22 10:50	4'
80-14529-13	7 6in	Solid	05/06/22 16:30	05/09/22 10:50	6"
80-14529-14	7 4ft	Solid	05/08/22 16:30	05/09/22 10:50	4'
80-14529-15	8 6in	Solid	05/06/22 16:30	05/09/22 10:50	6"
80-14529-16	8 4ft	Solid	05/08/22 16:30	05/09/22 10:50	4'
80-14529-17	9 6in	Solid	05/06/22 16:30	05/09/22 10:50	6"
80-14529-18	9 4ft	Solid	05/06/22 17:00	05/09/22 10:50	4'
80-14529-19	10 6in	Solid	05/08/22 17:00	05/09/22 10:50	6"
80-14529-20	10 4ft	Solid	05/08/22 17:00	05/09/22 10:50	4'

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Environment Testing Environment Testing Malaca (17 K281) 26-200, Calab. (17 K28) 29-2136 Xenco Environment Testing Malaca (17 K281) 26-200, Calab. (17 K281) 26-200, Calab. (17 K281) 29-2136 ENVIRON-S-AN (15 Malaca) (17 K281) 26-200, Calab.	Chain of Custod Houston, TX (231) 240-4200, Collins, TX (231) R. Paro, TX (231) 240-4200, Collins, TX (231) R. Paro, TX (231) 240-4200, Collins, TX (231) R. Paro, TX (315) 585-3443 Lubbock, TX (800) Hobbs MM (373) 592-7550 Collishod, NM (57) Read Cury, State ZIP- Email: Shortman Turn Around Tolle Bashing Tolle Bashing Tolle Bashing Tolle Graby Tolle Sampled Tolle Graby Tolle Sampled Tolle Sampled Tolle Sampled Tolle Graby Tolle Sampled Tolle Samp	or I	The following segments	Audica Signature of this document and relinquishment of samp of service. Burdha Xenoo will be faith only for the cost of samp of Eurofin Konco, Aminimum charge of \$15.00 will be applied. Relition in the American Service of Service	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed		0.9 W		66	till a	8	11 11	ang E	444 9	h him	Sample Identification Matrix	Total Containers,	Sample Custody Seals: Yes No WA	1-	Samples Received Intact: (Yes No	SAMPLE RECEIPT Temp Blank:	PO#	Sampler's Name:	Project Location:	Project Number 0	Project Name Hagberry	40% M. 262	City, State ZIP BLESSA TX	Address PAIRE STATE	Company Name: Environmenta	Project Manager SHYKN. 6. 170 HDRA	eurofins Environ
Chain of Custody Houston, TX (281) 240-2200, Dalins, TX (214) 902-0300 Midland, TX (952) 703-5540, San Antonio, TX (105 509-3334 EL Para, TX (953) 952-3550 Cariobad, NM (575) 988-3199 Middless. Ty, State ZIP Vy, State ZIP Vy	Work UST/PST UST/PST Level High High High High High High High High High High High High High High High High High Hi		Selector (Signature)	les constitutes a valid purchase order fi bes and shall not assume any responsib to each project and a charge of \$5 for	9RCRA 13PPM TCLP/SPLI			Sea	1					-	-	Time	Corrected Temperature	Temperature Reading '	Correction Factor	Thermometer ID:	-	the lab, if receive	TAT starts the day	Due Date:		Turn Ax		1777	かナル	milas		ment Testing
Custody Dallas, TX (214) 902-6300 Antonio, TX (200) 509-3334 bbock, TX (806) 794/1296 (%Dad, IM (575) 998-3199 ANALYSIS REQUES ANALYSIS REQUES ANALYSIS REQUES Cod Cr Co Cu Fe Pb Mg / Cod Cr Co Cu Fe Pb Mg / Cd Cr Co Cu Fb Mn N N i Se BC Cd Cr Co Cu Pb Mn N N i Se Cd Cr Co Cu Pb Mn N N i Se Relinquished by (Signature) Relinquished by (Signature) Relinquished by (Signature)	Work UST/PST UST/PST Level II Level II High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High High	100	2019 2 2019 2	rom client company to Eurofins Xanco, its affili sitly for any losses or expenses incurred by the each sample submitted to Eurofins Xenco, but	Texas 11 Al Sb As Ba Be P6010 8RCRA Sb As Ba Be	4 4									-	Grab/	7.1076	_	_	ram	eters	S	_		9	ound	Shoffman cosp	ity, State ZIP	ddress.			Chain of (Houston, TX (281) 240-2006. Midland, TX (632) 704-5440, San EL Paro, TX (915) 585-3443 Lu Hobbs NM (575) 392-7550 Ca
	Work UST/PST Oject: Level II WW HI K Se Ag Ni K Se Ag Received		Relinquished by (Signature	tes and subcontractors. It assigns standard terms a client if such losses are due to circumstances beyon not analysisci. These terms will be enforced unless po	B Cd Ca Cr Co Cu Fe Pb Mg N Cd Cr Co Cu Pb Mn Mo Ni Se	\$											()·	2	± - -		9		5			ANALYSIS REQUES					_	Custody Dollos, TX (214) 902-0300 Antonio, TX (210) 509-3334 block, TX (806) 794-1296 fisbad, NM (575) 988-3199

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Login Sample Receipt Checklist

Client: Environmental Oilfield Solutions, LLC Job Number: 880-14529-1

Login Number: 14529 List Source: Eurofins Midland

List Number: 1 Creator: Teel, Brianna

Containers requiring zero headspace have no headspace or bubble is $< 6 \text{mm} \ (1/4^{\circ}).$

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	

N/A

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ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-18964-1

Laboratory Sample Delivery Group: Lea County, NM Client Project/Site: Hag Berry 9 State COM

Environmental Oilfield Solutions, LLC 2317 Field St. Unit R Odessa, Texas 79761

Attn: Steve Hoffman

Holly Taylor

Authorized for release by: 9/19/2022 12:26:34 PM

Holly Taylor, Project Manager (806)794-1296

Holly.Taylor@et.eurofinsus.com

Review your project results through
EOL

Have a Question?

Ask
The
Expert

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

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

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Laboratory Job ID: 880-18964-1 SDG: Lea County, NM

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Sample Summary	27
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Passint Charklists	20

	Definitions/Glossary	
	nmental Oilfield Solutions, LLC Hag Berry 9 State COM	Job ID: 880-18964-1 SDG: Lea County, NN
Qualifiers		
GC VOA Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	A	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
0	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Eurofins Midland

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Case Narrative

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Job ID: 880-18964-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-18964-1

Receipt

The samples were received on 9/7/2022 3:52 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 was 5.9° C.

Method 8021B: The CCV was biased low for ethylbenzene and toluene. Another CCV was acceptable within the 12 hour window so it was determined that this was a poor injection rather than the instrument being out of calibration and the data was qualified and reported. (CCV 880-34644/33)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34413 and analytical batch 880-34644 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-34021/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34021 and analytical batch 880-33970 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015B NM: The matrix spike (MS) recoveries for preparation batch 880-34021 and analytical batch 880-33970 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-34021 and analytical batch 880-33970. The associated laboratory control sample (LCS) met acceptance criteria.

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

General Chemistry

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

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

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

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		Client	Sample Re	esults								
Client: Environmental Oilfield Sol Project/Site: Hag Berry 9 State C						S	Job ID: 880-1 DG: Lea Cou					
Client Sample ID: A1 Date Collected: 09/06/22 13:00 Date Received: 09/07/22 15:52 Sample Depth: 1 ft					Lab Sample ID: 880-1896 Matrix: S							
Method: 8021B - Volatile Orga	nic Compo	unds (GC)										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	<0.00202	U F1 F2	0.00202	mg/Kg		09/13/22 14:26	09/17/22 14:14	1				
Toluene	< 0.00202	U F1	0.00202	mg/Kg		09/13/22 14:26	09/17/22 14:14	1				
Ethylbenzene	< 0.00202	U F1	0.00202	mg/Kg		09/13/22 14:26	09/17/22 14:14	1				
m,p-Xylenes	< 0.00403	U F1	0.00403	mg/Kg		09/13/22 14:26	09/17/22 14:14	1				
o-Xylene	< 0.00202	U F1	0.00202	mg/Kg		09/13/22 14:26	09/17/22 14:14	1				
Xylenes, Total	<0.00403	U F1	0.00403	mg/Kg		09/13/22 14:26	09/17/22 14:14	:1				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	93		70_130			09/13/22 14:26	09/17/22 14:14	1				
1,4-Difluorobenzene (Surr)	116		70 _ 130			09/13/22 14:26	09/17/22 14:14	1				
Method: Total BTEX - Total BT			9,022	organisas.		P NOZANIKOW DIAZIN	ALCON CONT.	200000000000000000000000000000000000000				
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Total BTEX	<0.00403	U	0.00403	mg/Kg			09/19/22 09:18	1				
Method: 8015 NM - Diesel Ran			24777				1200000	57.5				
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Total TPH	133		50.0	mg/Kg			09/09/22 10:04	1				
Method: 8015B NM - Diesel Ra	inge Organ	ics (DRO) ((GC)									
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Gasoline Range Organics (GRO)-C6-C10		U*1 F1 F2	50.0	mg/Kg		09/08/22 14:28	09/08/22 20:27	1				
Diesel Range Organics (Over C10-C28)		*1 F1 F2	50.0	mg/Kg			09/08/22 20:27	1				
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/08/22 14:28	09/08/22 20:27	1				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	108		70 - 130			09/08/22 14:28	09/08/22 20:27	1				
o-Terphenyl (Surr)	103		70 - 130			09/08/22 14:28	09/08/22 20:27	1				
Method: 300.0 - Anions, Ion C			ble									
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	46.0		4.99	mg/Kg			09/10/22 18:47	1				
Client Sample ID: A2 Date Collected: 09/06/22 13:30 Date Received: 09/07/22 15:52 Sample Depth: 1 ft					L	_ab Sample	e ID: 880-18 Matrix	3964-2 c: Solid				
Method: 8021B - Volatile Orga	nic Compo	unds (GC)										
Analyte	25-27	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	< 0.00198	U	0.00198	mg/Kg		09/13/22 14:26	09/17/22 15:05	1				
Toluene	< 0.00198		0.00198	mg/Kg			09/17/22 15:05	1				
Ethylbenzene	< 0.00198		0.00198	mg/Kg			09/17/22 15:05	1				
m,p-Xylenes	<0.00396		0.00396	mg/Kg			09/17/22 15:05	1				
o-Xylene	<0.00198		0.00198	mg/Kg			09/17/22 15:05	1				
Xylenes, Total	<0.00398		0.00396	mg/Kg			09/17/22 15:05	1				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac				

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Compo				L		DG: Lea Cour	964-2
Compo						Matrix	c: Solid
	unds (GC)	(Continued)					
							075
	Qualifier	Limits 70 - 130			Prepared 09/13/22 14:26	Analyzed 09/17/22 15:05	Dil Fac
103		70-130			03/13/22 14.20	03/1//22 13.03	8
Calcula	tion						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00396	U	0.00396	mg/Kg			09/19/22 09:18	1
Organic	s (DRO) (G	iC)					
	The state of the s	RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg			09/09/22 10:04	1
. 0	: (DDO) ((CC)					
			Unit	D	Propored	Analyzed	Dil Fac
					•		1
~10.0	0 1	40.0	mgrvg		08/00/22 14:20	DB/DD/22 21.01	100
<49.9	U*1	49.9	mg/Kg		09/08/22 14:28	09/08/22 21:31	1
<49.9	U	49.9	mg/Kg		09/08/22 14:28	09/08/22 21:31	1
Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
104		70_130			09/08/22 14:28	09/08/22 21:31	1
103		70 - 130			09/08/22 14:28	09/08/22 21:31	1
11997							
-			10220100	323	925 B	28 8	25352
7000	Qualifier			D	Prepared		Dil Fac
94.1		5.01	mg/Kg			09/10/22 19:01	1
				L	ab Sample		1964-3 c: Solid
Compo	unds (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		09/13/22 14:28	09/17/22 15:26	1
		0.00200	mg/Kg				1
<0.00200	U	0.00200	mg/Kg		09/13/22 14:28	09/17/22 15:26	1
<0.00399	U	0.00399	mg/Kg		09/13/22 14:28	09/17/22 15:26	1
<0.00200	U	0.00200	mg/Kg		09/13/22 14:28	09/17/22 15:26	1
<0.00399	U	0.00399	mg/Kg		09/13/22 14:26	09/17/22 15:26	1
Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
103		70 - 130			A STATE OF THE PARTY OF THE PAR		1
119		70 - 130			09/13/22 14:26	09/17/22 15:26	1
Calcula	tion						
		RL	Unit	D	Prepared	Analyzed	Dil Fac
		0.00399	mg/Kg			09/19/22 09:18	1
	- (DDO) (C	CI					
	s (DRO) (G Qualifier	iC)	Unit	D	Prepared	Analyzed	Dil Fac
	Result <0.00396 Organic Result <49.9 e Organ Result <49.9 <49.9 <49.9 49.9 And Percovery 104 103 Matogra Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00399 <0.00200 <0.00399 Recovery 103 119 Calcula Result Result	Calculation Result Qualifier <0.00396 U Organics (DRO) (G Result Qualifier <49.9 U e Organics (DRO) (Result Qualifier <49.9 U*1 <49.9 U*1 <49.9 U*1 <49.9 U Recovery Qualifier 104 103 matography - Solu Result Qualifier 94.1 Compounds (GC) Result Qualifier <0.00200 U <0.00200 U <0.00200 U <0.00399 U Recovery Qualifier 103	Calculation Result Qualifier RL	Calculation Result Qualifier RL Unit <0.00396 U 0.00396	Calculation Result Qualifier RL Unit D <0.00396 U 0.00396 mg/Kg Organics (DRO) (GC) Result Qualifier RL Unit D <0.00396 U 49.9 mg/Kg e Organics (DRO) (GC) Result Qualifier RL Unit D calculation Result Qualifier RL Unit D	Calculation Result Qualifier RL Unit D Prepared	Calculation Result Qualifier RL Unit D Prepared Analyzed O9/19/22 09:18

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A3 Date Collected: 09/06/22 14:00 Date Received: 09/07/22 15:52 Lab Sample ID: 880-18964-3

Matrix: Solid

Sample Depth: 1 ft

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0	U*1	50.0	mg/Kg		09/08/22 14:28	09/08/22 21:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		09/08/22 14:28	09/08/22 21:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/08/22 14:28	09/08/22 21:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129	3	70 _ 130			09/08/22 14:28	09/08/22 21:53	1

o-Terphenyl (Surr) 125 70 - 130 09/08/22 14:28 09/08/22 21:53 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte RL Unit Dil Fac Result Qualifier Prepared Analyzed Chloride 106 4.97 mg/Kg 09/10/22 19:08

Client Sample ID: A4 Lab Sample ID: 880-18964-4

Date Collected: 09/06/22 14:15 Date Received: 09/07/22 15:52

Matrix: Solid

Method: 8021B - Volatile Orga Analyte	The state of the s	unds (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201	mg/Kg	- 2000	09/13/22 14:26	09/17/22 15:46	1
Toluene	< 0.00201	U	0.00201	mg/Kg		09/13/22 14:26	09/17/22 15:46	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		09/13/22 14:26	09/17/22 15:48	1
n,p-Xylenes	< 0.00402	U	0.00402	mg/Kg		09/13/22 14:26	09/17/22 15:48	1
-Xylene	< 0.00201	U	0.00201	mg/Kg		09/13/22 14:26	09/17/22 15:46	1
(ylenes, Total	<0.00402	U	0.00402	mg/Kg		09/13/22 14:26	09/17/22 15:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
l-Bromofluorobenzene (Surr)	97		70 - 130			09/13/22 14:26	09/17/22 15:46	1
1,4-Difluorobenzene (Surr)	117		70 _ 130			09/13/22 14:26	09/17/22 15:46	1
Method: Total BTEX - Total B	TFX Calcula	tion						
Analyte	The second of th	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	mg/Kg			09/19/22 09:18	1
Total BTEX Method: 8015 NM - Diesel Rai		SS:	NEWS 1	mg/Kg			09/19/22 09:18	1
Method: 8015 NM - Diesel Ra	nge Organic	SS:	NEWS 1	mg/Kg Unit	D	Prepared		1 Dil Fac
No. (1904) Salatina (1904) Sal	nge Organic	s (DRO) (C	GC)	1712.51.20.50	D	Prepared	09/19/22 09:18 Analyzed 09/09/22 10:04	
Method: 8015 NM - Diesel Rai Analyte Total TPH	nge Organic Result <49.8	s (DRO) (O Qualifier U	RL 49.8	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R	nge Organic Result <49.8 lange Organi	s (DRO) (O Qualifier U	RL 49.8	Unit	D D	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics	nge Organic Result <49.8 lange Organi	s (DRO) (G Qualifier U ics (DRO) Qualifier	GC) RL 49.8	Unit mg/Kg		78.	Analyzed 09/09/22 10:04	Dil Fac
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	nge Organic Result <49.8 lange Organi Result	s (DRO) (O Qualifier U ics (DRO) Qualifier U*1	GC) RL 49.8 (GC) RL	Unit mg/Kg Unit		Prepared	Analyzed 09/09/22 10:04 Analyzed	Dil Fac Dil Fac
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R Analyte GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	nge Organic Result <49.8 ange Organi Result <49.8	s (DRO) (Qualifier U ics (DRO) Qualifier U*1	GC) RL 49.8 (GC) RL 49.8	Unit mg/Kg Unit mg/Kg		Prepared 09/08/22 14:28	Analyzed 09/09/22 10:04 Analyzed 09/08/22 22:14	Dil Fac
Method: 8015 NM - Diesel Rai Analyte	Result <49.8 cange Organi Result <49.8 <49.8	s (DRO) (Qualifier U ics (DRO) Qualifier U *1 U *1 U	GC) RL 49.8 (GC) RL 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/08/22 14:28 09/08/22 14:28	Analyzed 09/09/22 10:04 Analyzed 09/08/22 22:14 09/08/22 22:14	Dil Fac Dil Fac 1 1 1
Method: 8015 NM - Diesel Rai Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Dill Range Organics (Over C28-C38)	ringe Organic Result <49.8 Cange Organi Result <49.8 <49.8	s (DRO) (Qualifier U ics (DRO) Qualifier U *1 U *1 U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/08/22 14:28 09/08/22 14:28 09/08/22 14:28	Analyzed 09/09/22 10:04 Analyzed 09/08/22 22:14 09/08/22 22:14	Dil Fac 1 Dil Fac 1

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		Client	Sample Re	esults				
Client: Environmental Oilfield So Project/Site: Hag Berry 9 State (S	Job ID: 880-1 DG: Lea Cou	To Table 1
Client Sample ID: A4 Date Collected: 09/06/22 14:15 Date Received: 09/07/22 15:52 Sample Depth: 1 ft					L	ab Sample	e ID: 880-18 Matrix	1964-4 c: Solid
Method: 300.0 - Anions, Ion				11201524		1 (1225) 1000 0125	92.00 (20.00)	20020
Analyte Chloride	Result 40.8	Qualifier	RL 5.03	Unit mg/Kg	D	Prepared	Analyzed 09/10/22 19:11	Dil Fa
	40.0		5.65	marria			OSITOIZE TO.TT	
Client Sample ID: A5 Date Collected: 09/06/22 14:30 Date Received: 09/07/22 15:52 Sample Depth: 1 ft					L	ab Sample	e ID: 880-18 Matrix	: Soli
Method: 8021B - Volatile Org	anic Compo	unds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:06	
Toluene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:08	
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:06	
m,p-Xylenes	< 0.00401	U	0.00401	mg/Kg		09/13/22 14:26	09/17/22 16:08	
o-Xylene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:06	
Xylenes, Total	< 0.00401	U	0.00401	mg/Kg		09/13/22 14:26	09/17/22 16:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 - 130			09/13/22 14:26	09/17/22 16:06	
1,4-Difluorobenzene (Surr)	108		70 - 130			09/13/22 14:26	09/17/22 16:06	
Method: Total BTEX - Total B	TFX Calcula	tion						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401		0.00401	mg/Kg			09/19/22 09:18	
Mathad: 8015 NM Diseal Da	ngo Organio	e (DDO) (C	C)					
Method: 8015 NM - Diesel Ra Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	85.6		49.8	mg/Kg			09/09/22 10:04	
Mathadi 9015D NM Diagal F	Panas Orann	ine (DDO)	ICC)					
Method: 8015B NM - Diesel F Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8		49.8	mg/Kg		09/08/22 14:28	09/08/22 22:36	
Diesel Range Organics (Over C10-C28)	85.6	*1	49.8	mg/Kg		09/08/22 14:28	09/08/22 22:38	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/08/22 14:28	09/08/22 22:36	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	99		70 _ 130			09/08/22 14:28	09/08/22 22:36	
o-Terphenyl (Surr)	96		70 _ 130			09/08/22 14:28	09/08/22 22:36	
Method: 300.0 - Anions, Ion	Chromatogra	phy - Soli	ible					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	55.5		4.98	mg/Kg		- Commonweathern Contraction	09/10/22 19:16	

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A6 Date Collected: 09/06/22 14:45 Lab Sample ID: 880-18964-6

Date Received: 09/07/22 15:52

Matrix: Solid

Sample Depth: 1	ft	
M-4L-1, 0024D	17-1-61-	0

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:27	1
Toluene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:27	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 16:27	1
m,p-Xylenes	< 0.00399	U	0.00399	mg/Kg		09/13/22 14:26	09/17/22 16:27	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:28	09/17/22 16:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/13/22 14:28	09/17/22 16:27	:1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
40 0 1 10 10 1	400		70 400			00400004400	20 47 40 40 67	-

4-Bromofluorobenzene (Surr)	109	70 _ 130	09/13/22 14:26	09/17/22 16:27	1
1,4-Difluorobenzene (Sum)	112	70 _ 130	09/13/22 14:26	09/17/22 16:27	31
Method: Total BTEX - Total B	STEX Calculation				

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			09/19/22 09:18	1
Method: 8015 NM - I	Diesel Range Organic	s (DRO) (G	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Total TPH	76.2		49.9	mg/Kg			09/09/22 10:04	1
Method: 8015B NM - Diesel Ran	ge Organ	ics (DRO) (G	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U*1	49.9	mg/Kg		09/08/22 14:28	09/08/22 22:57	1
Diesel Range Organics (Over C10-C28)	76.2	*1	49.9	mg/Kg		09/08/22 14:28	09/08/22 22:57	1
Oll Range Organics (Over C28-C36)	<49.9	10	49.9	ma/Ka		09/08/22 14:28	09/08/22 22:57	1

Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	09/08/22 14:28	09/08/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130		09/08/22 14:28	09/08/22 22:57	1
o-Terphenyl (Surr)	112		70 - 130		09/08/22 14:28	09/08/22 22:57	1

Method: 300.0 - Anior	is, ion chiomatogra	priy - Solub	ic					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.1		5.02	mg/Kg			09/10/22 19:30	1

Client Sample ID: A7 Lab Sample ID: 880-18964-7 Date Collected: 09/06/22 15:00 Matrix: Solid Date Received: 09/07/22 15:52 Sample Depth: 1 ft

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
Toluene	< 0.00199	U	0.00199	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
m,p-Xylenes	< 0.00398	U	0.00398	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/13/22 14:26	09/17/22 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70_130			09/13/22 14:26	09/17/22 16:47	1

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Client Sample Results Client: Environmental Oilfield Solutions, LLC Job ID: 880-18964-1 SDG: Lea County, NM Project/Site: Hag Berry 9 State COM Client Sample ID: A7 Lab Sample ID: 880-18964-7 Date Collected: 09/06/22 15:00 Matrix: Solid Date Received: 09/07/22 15:52 Sample Depth: 1 ft Method: 8021B - Volatile Organic Compounds (GC) (Continued) Surrogate %Recovery Qualifier I imits Prepared Analyzed Dil Fac 1,4-Difluorobenzene (Surr) 70 - 130 09/13/22 14:26 09/17/22 16:47 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <0.00398 U 0.00398 mg/Kg 09/19/22 09:18 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Analyzed Dil Fac Prepared Total TPH <50.0 U 50.0 ma/Ka 09/09/22 10:04 Method: 8015B NM - Diesel Range Organics (DRO) (GC) RI Unit Analyte Result Qualifier Prepared Analyzed Dil Fac <50.0 U *1 50.0 09/08/22 14:28 09/08/22 23:18 Gasoline Range Organics mg/Kg (GRO)-C6-C10 09/08/22 14:28 09/08/22 23:18 Diesel Range Organics (Over <50.0 U*1 50.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C38) <50.0 U 50.0 mg/Kg 09/08/22 14:28 09/08/22 23:18 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 09/08/22 14:28 09/08/22 23:18 70_130 117 o-Terphenyl (Surr) 111 70 - 130 09/08/22 14:28 09/08/22 23:18 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 106 4.97 mg/Kg 09/10/22 19:35 Client Sample ID: A8 Lab Sample ID: 880-18964-8 Date Collected: 09/06/22 15:45 Matrix: Solid Date Received: 09/07/22 15:52 Sample Depth: 1 ft Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit Prepared Analyte Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 09/13/22 14:26 09/17/22 17:08 Toluene <0.00201 U 0.00201 09/13/22 14:26 09/17/22 17:08 ma/Ka Ethylbenzene <0.00201 U 0.00201 mg/Kg 09/13/22 14:26 09/17/22 17:08 <0.00402 U 0.00402 09/13/22 14:28 09/17/22 17:08 m,p-Xylenes mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 09/13/22 14:26 09/17/22 17:08 <0.00402 U 0.00402 mg/Kg 09/13/22 14:26 09/17/22 17:08 Xvlenes, Total Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 09/13/22 14:26 09/17/22 17:08 110 1.4-Difluorobenzene (Surr) 104 70 - 130 09/13/22 14:26 09/17/22 17:08 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit Analyzed Dil Fac Prepared Total BTEX <0.00402 U 0.00402 mg/Kg 09/19/22 09:18 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 mg/Kg 09/09/22 10:04

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A8 Date Collected: 09/06/22 15:45 Lab Sample ID: 880-18964-8

Date Received: 09/07/22 15:52 Sample Depth: 1 ft

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac <49.9 U *1 49.9 09/08/22 14:28 09/08/22 23:40 mg/Kg Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U*1 49.9 mg/Kg 09/08/22 14:28 09/08/22 23:40 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U mg/Kg 09/08/22 14:28 09/08/22 23:40 Dil Fac %Recovery Qualifier Limits Analyzed Surrogate Prepared

1-Chlorooctane (Surr) 70_130 09/08/22 14:28 09/08/22 23:40 104 o-Terphenyl (Surr) 102 70 - 130 09/08/22 14:28 09/08/22 23:40 Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier RL Unit Prepared Analyzed 5.03 09/10/22 19:40 Chloride 104 mg/Kg

Client Sample ID: A9 Lab Sample ID: 880-18964-9 Date Collected: 09/06/22 16:00 Matrix: Solid

Date Received: 09/07/22 15:52 Sample Depth: 1 ft

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 17:28	1
Toluene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 17:28	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 17:28	1
m,p-Xylenes	< 0.00401	U	0.00401	mg/Kg		09/13/22 14:26	09/17/22 17:28	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 17:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		09/13/22 14:28	09/17/22 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			09/13/22 14:26	09/17/22 17:28	1
1,4-Difluorobenzene (Sum)	109		70 _ 130			09/13/22 14:26	09/17/22 17:28	1
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			09/19/22 09:18	1
Method: 8015 NM - Diesel I	Range Organic	s (DRO) (0	SC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		09/08/22 14:28	09/09/22 00:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		09/08/22 14:28	09/09/22 00:02	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/08/22 14:28	09/09/22 00:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			09/08/22 14:28	09/09/22 00:02	- 1

o-Terphenyl (Surr) 100 70 - 130 09/08/22 14:28 09/09/22 00:02

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Client: Environmental Oilfield Sol	utions II.C	Client	Sample Re	esults			Job ID: 880-1	90C4 1
Project/Site: Hag Berry 9 State C						S	DG: Lea Cou	
Client Sample ID: A9 Date Collected: 09/06/22 16:00 Date Received: 09/07/22 15:52 Sample Depth: 1 ft								8964-9 c: Solid
Method: 300.0 - Anions, Ion C								D.1.E
Analyte Chloride	120	Qualifier	RL 5.00	Unit mg/Kg	D	Prepared	Analyzed 09/10/22 19:45	Dil Fac
Chloride	120		5.00	mg/kg			08/10/22 18.45	
Client Sample ID: A10 Date Collected: 09/06/22 16:00 Date Received: 09/07/22 15:52 Sample Depth: 1 ft					La	ib Sample	ID: 880-189 Matrix	64-10 c: Solid
Method: 8021B - Volatile Orga								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	107	0.00200	mg/Kg			09/17/22 17:49	1
Toluene	<0.00200		0.00200	mg/Kg			09/17/22 17:49	
Ethylbenzene	<0.00200	. S	0.00200	mg/Kg			09/17/22 17:49	
m,p-Xylenes	<0.00399	. IA	0.00399	mg/Kg			09/17/22 17:49	
o-Xylene	<0.00200	U	0.00200	mg/Kg			09/17/22 17:49	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/13/22 14:26	09/17/22 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/17/22 17:49	
1,4-Difluorobenzene (Surr)	108		70 - 130			09/13/22 14:26	09/17/22 17:49	
Method: Total BTEX - Total BT	EX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			09/19/22 09:18	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		50.0	mg/Kg			09/09/22 10:04	
Method: 8015B NM - Diesel Ra Analyte	-	ics (DRO)	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0	mg/Kg	_	-	09/09/22 00:23	Dirac
(GRO)-C6-C10								55
Diesel Range Organics (Over C10-C28)	117		50.0	mg/Kg			09/09/22 00:23	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/08/22 14:28	09/09/22 00:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 _ 130			09/08/22 14:28	09/09/22 00:23	- 1
o-Terphenyl (Surr)	99		70 _ 130			09/08/22 14:28	09/09/22 00:23	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ıble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		The state of the s					

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Surrogate Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	Percent Surr DFBZ1	ogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-18964-1	A1	93	116		
880-18964-1 MS	A1	106	110		6
880-18964-1 MSD	A1	112	102		
880-18964-2	A2	108	103		
880-18964-3	A3	103	119		
880-18964-4	A4	97	117		
880-18964-5	A5	101	108		
880-18964-6	A6	109	112		
880-18964-7	A7	106	111		
880-18964-8	A8	110	104		
880-18964-9	A9	108	109		
880-18964-10	A10	112	108		
LCS 880-34413/1-A	Lab Control Sample	102	100		
LCSD 880-34413/2-A	Lab Control Sample Dup	102	105		
MB 880-34413/5-A	Method Blank	103	113		
MB 880-34555/5-A	Method Blank	105	110		
Surrogate Legend					
BFB = 4-Bromofluorob	enzene (Surr)				
DFBZ = 1,4-Difluorobe	enzene (Surr)				

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

Matrix: Solid Prep Type: Total/NA

			Perce	ent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-18964-1	A1	108	103	
880-18964-1 MS	A1	95	79	
880-18964-1 MSD	A1	120	116	
880-18964-2	A2	104	103	
880-18964-3	A3	129	125	
880-18964-4	A4	102	100	
880-18964-5	A5	99	96	
880-18964-6	A6	117	112	
880-18964-7	A7	117	111	
880-18964-8	A8	104	102	
880-18964-9	A9	103	100	
880-18964-10	A10	101	99	
LCS 880-34021/2-A	Lab Control Sample	129	125	
LCSD 880-34021/3-A	Lab Control Sample Dup	159 S1+	153 S1+	
MB 880-34021/1-A	Method Blank	103	105	
Surrogate Legend				

1CO = 1-Chlorooctane (Surr) OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34413/5-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 34644	Prep Batch: 34413
MB MB	

Allarysis Datell. 54044							i rep baten.	37713
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Toluene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 13:45	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		09/13/22 14:26	09/17/22 13:45	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/13/22 14:28	09/17/22 13:45	1
	мв	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			09/13/22 14:26	09/17/22 13:45	1
1,4-Difluorobenzene (Surr)	113		70 _ 130			09/13/22 14:26	09/17/22 13:45	1

Lab Sample ID: LCS 880-34413/1-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34413

**Rec

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.07945		mg/Kg		79	70_130
Toluene	0.100	0.07766		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07448		mg/Kg		74	70 - 130
m,p-Xylenes	0.200	0.1620		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08424		mg/Kg		84	70_130

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

Lab Sample ID: LCSD 880-34413/2-A Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA Analysis Batch: 34644 Prep Batch: 34413

Allarysis Datell. 54044							TICDL	rep baten, 5441.			
	Spike	LCSD	LCSD				%Rec		RPD		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.09036		mg/Kg		90	70 - 130	13	35		
Toluene	0.100	0.08143		mg/Kg		81	70 - 130	5	35		
Ethylbenzene	0.100	0.07731		mg/Kg		77	70 - 130	4	35		
m,p-Xylenes	0.200	0.1671		mg/Kg		84	70_130	3	35		
o-Xylene	0.100	0.08710		mg/Kg		87	70 - 130	3	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-18964 Matrix: Solid Analysis Batch: 34644	-1 MS								Prep Type: Total Prep Batch: 3	I/NA
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	< 0.00202	U F1 F2	0.0998	0.08465		mg/Kg		84	70 - 130	
Toluene	< 0.00202	U F1	0.0998	0.05787	F1	mg/Kg		57	70_130	

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lient: Environmental Oilfield roject/Site: Hag Berry 9 Sta			Sample						Job ID: SDG: Lea		7.00
lethod: 8021B - Volati	ile Organi	Compou	nds (GC)	(Conti	nued)						
Lab Sample ID: 880-18964 Matrix: Solid Analysis Batch: 34644		Sample	Spike	MS	MS				Client Sa Prep Typ Prep B %Rec	pe: Tot	al/N/
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	< 0.00202	U F1	0.0998	0.04926	F1	mg/Kg		49	70 - 130		
m,p-Xylenes	< 0.00403	U F1	0.200	0.07160	F1	mg/Kg		35	70 - 130		
o-Xylene	< 0.00202	U F1	0.0998	0.04672	F1	mg/Kg		45	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106	quanner	70 _ 130								
1,4-Difluorobenzene (Surr)	110		70 _ 130								
.,. Dillacrobenzene (bany	,,,		102100								
Lab Sample ID: 880-18964 Matrix: Solid Analysis Batch: 34644	4-1 MSD								Client Sa Prep Typ Prep B	pe: Tot	tal/N
,	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Benzene	< 0.00202	U F1 F2	0.101	0.05385	F1 F2	mg/Kg		53	70 - 130	44	3
Toluene	< 0.00202	U F1	0.101	0.04685	F1	mg/Kg		46	70 - 130	21	3
Ethylbenzene	< 0.00202	U F1	0.101	0.04301	F1	mg/Kg		42	70 - 130	14	3
m,p-Xylenes	< 0.00403	U F1	0.201	0.06289	F1	mg/Kg		30	70_130	13	3
o-Xylene	< 0.00202	U F1	0.101	0.04204	F1	mg/Kg		40	70_130	11	3
	MSD	MSD									
Surrogate	%Recovery		Limits								
- annuagus	112	4444	70 - 130								
4-Rromofluorobenzene (Surr)			10-100								
4-Bromofluorobenzene (Surr) 1.4-Difluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Sum)	102		70 - 130								
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid	102		70 - 130				Cli	ent Sam	ple ID: Me Prep Typ	pe: Tot	al/N/
1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-3	102		70 - 130				Cli	ent Sam		pe: Tot	al/N/
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644	102 4555/5-A	MB MB		·	Unit				Prep Typ Prep B	pe: Tot latch:	tal/N/ 3455
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644 Analyte	102 4555/5-A Re	sult Qualifier	R		Unit ma/K) F	repared	Prep Typ Prep B	pe: Tot latch:	tal/N/ 3455 Dil Fa
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644 Analyte Benzene	102 4555/5-A Re <0.00	sult Qualifier 1200 U	R 0.0020	0	mg/K	g) P	Prepared 15/22 09:02	Prep Typ Prep B Analyz 2 09/17/22	pe: Tot latch: : ed 02:09	tal/N/ 3455 Dil Fa
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644 Analyte Benzene Toluene	102 4555/5-A Re <0.00 <0.00	esult Qualifier 0200 U 0200 U	0.0020 0.0020	0	mg/K mg/K	g g	09/°	Prepared 15/22 09:02 15/22 09:02	Prep Typ Prep B Analyz 2 09/17/22 2 09/17/22	pe: Tot latch: 1 led 02:09	tal/N/ 3455 Dil Fa
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644 Analyte Benzene Toluene Ethylbenzene	102 4555/5-A Re <0.00 <0.00 <0.00	esult Qualifier 0200 U 0200 U 0200 U	0.0020 0.0020 0.0020	0 0 0	mg/K mg/K mg/K	9 9 9	09/°	Prepared 15/22 09:02 15/22 09:02 15/22 09:02	Prep Typ Prep B Analyz 2 09/17/22 2 09/17/22 2 09/17/22	pe: Tot latch: 3 leed 02:09 02:09 02:09	al/N/ 3455 Dil Fa
1,4-Difluorobenzene (Sum) Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 34644 Analyte Benzene Toluene	102 4555/5-A Re <0.00 <0.00 <0.00 <0.00	esult Qualifier 0200 U 0200 U	0.0020 0.0020	0 0 0	mg/K mg/K	g g g	09/2 09/2 09/2	Prepared 15/22 09:02 15/22 09:02 15/22 09:02	Prep Tyl Prep B Analyz 2 09/17/22 2 09/17/22 2 09/17/22 2 09/17/22	pe: Tot satch: : sed 02:09 02:09 02:09	al/N/

1,4-Difluorobenzene (Surr)	110	70_130	09/15/22 09:02 09/17/22 02:09
Method: 8015B NM - Diese	el Range Organ	nics (DRO) (GC)	

MB MB %Recovery Qualifier

105

Lab Sample ID: MB 880-3402 Matrix: Solid Analysis Batch: 33970	1/1-A						nple ID: Method Bla Prep Type: Total/ Prep Batch: 340			
111 (2) 1 (2) (1) (1)	MB	MB					1.75			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/08/22 14:28	09/08/22 19:23	1		

Limits

70_130

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Analyzed

09/15/22 09:02 09/17/22 02:09

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4-Bromofluorobenzene (Surr)

lutions, L COM	LC		•								
el Rang	je (Organic	s (DRO) (GC) (Continu	ed)					
1/1-A							CI	ient Sam	Prep Typ	e: Tot	al/NA
Po			DI		Unit		n	Dropprod	Analyze	vd.	Dil Fac
			50.0				_				1
<	50.0	U	50.0		mg/K	g	09	/08/22 14:28	09/08/22 1	9:23	1
	MB	MB									
%Recov	very	Qualifier	Limits					Prepared	Analyze	ed	Dil Fac
	103		70_130				09.	/08/22 14:28	09/08/22 1	9:23	1
	105		70 - 130				09.	/08/22 14:28	09/08/22 1	9:23	1
21/2-A			Spike	LCS	LCS	Clie	ent Sa	ample ID:	Prep Typ Prep Ba	e: Tot	al/NA
						Unit		%Rec			
			1000	884.5		mg/Kg		88	70 - 130		
			1000	851.7		mg/Kg		85	70_130		
			Limits								
	que										
125			70 - 130								
021/3-A						lient Sa	ampl	e ID: Lab	Prep Typ Prep Ba	e: Tot	al/NA 34021
			535			11-3-		0/ D		DDD	RPD
											Limit 20
			1000			mg/Kg		110	70 - 130	25	20
LCSD	105	en.									
			Limits								
159			70_130								
	S1+		70 - 130								
153											
MS		volo.	Snika	Me	MS			9	Prep Typ Prep Ba	e: Tot	al/NA
MS Sample		STEEL	Spike Added		MS Qualifier	Unit			Prep Typ Prep Ba	e: Tot	al/NA
MS	Qua	lifier	Spike Added 999		Qualifier	Unit mg/Kg			Prep Typ Prep Ba	e: Tot	al/NA
	COM el Rang 1/1-A Re %Recon 21/2-A LCS Recovery 129 125 021/3-A	el Range (1/1-A MB Result <50.0	lutions, LLC COM el Range Organic 1/1-A MB MB Result Qualifier <50.0 U MB MB %Recovery Qualifier 103 105 21/2-A LCS LCS Recovery Qualifier 129 125 021/3-A		Note	MB MB Result Qualifier RL Unit Value V				Authors, LLC SDG: Lear	SDG: Lea Counter SDG: Lea Counter

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Limits

70 - 130

70 - 130

MS MS %Recovery Qualifier

95

79

9/19/2022

Surrogate 1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Project/Site: Hag Berry 9 St	ld Solutions, L ate COM	LO							Job ID: SDG: Lea	Count	
Method: 8015B NM - [Diesel Rang	ge Organi	cs (DRO	(GC) (Continu	ied)					
Lab Sample ID: 880-1896 Matrix: Solid Analysis Batch: 33970		Sample	Spike	MSD	MSD				Client Sa Prep Ty Prep E %Rec		al/N/
Analyte	**************************************	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C8-C10	<50.0	U *1 F1 F2	996	<49.8	U F1 F2	mg/Kg		2	70 - 130	188	20
Diesel Range Organics (Over C10-C28)	133	*1 F1 F2	996	<49.8	U F1 F2	mg/Kg		-9	70_130	181	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	120		70 - 130								
o-Terphenyl (Surr)	116		70_130								
Method: 300.0 - Anion	s, Ion Chr	omatogra	phy								
Analyte		MB MB sult Qualifier		RL	Unit	D	F	repared	Analy		Dil Fa
Chloride	<	5.00 U	5.	00	mg/K	g			09/10/22	18:32	8
Lab Sample ID: LCS 880 Matrix: Solid	-33994/2-A					Clien	t Sa	mple ID): Lab Cor Prep T		1000
Analysis Batch: 34158			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	240.5		mg/Kg		96	90 - 110		
						lient Sar	nple	ID: Lat	Control	C	
Lab Sample ID: LCSD 88 Matrix: Solid	0-33994/3-A								Prep I	ype: So	
	0-33994/3-A		Spike	LCSD	LCSD				%Rec		oluble
Matrix: Solid	0-33994/3-A		Spike Added			Unit	D	%Rec			RPI
Matrix: Solid Analysis Batch: 34158	60-33994/3-A				LCSD		D	%Rec 98	%Rec	ype: So	RPC Limi
Matrix: Solid Analysis Batch: 34158 Analyte Chloride Lab Sample ID: 880-1896 Matrix: Solid			Added	Result	LCSD	Unit	D		%Rec Limits	RPD 0	RPE Limi 20 D: A1
Matrix: Solid Analysis Batch: 34158 Analyte Chloride Lab Sample ID: 880-1896	64-1 MS	Sample	Added	Result 241.1	LCSD	Unit	D		%Rec Limits 90 - 110	RPD 0	RPE Limi 20 D: A1
Matrix: Solid Analysis Batch: 34158 Analyte Chloride Lab Sample ID: 880-1896 Matrix: Solid	54-1 MS Sample	Sample Qualifier	Added 250	Result 241.1	LC\$D Qualifier	Unit	D	96	%Rec Limits 90 - 110 Client Sa Prep Ty	RPD 0	RPE Limi 20 D: A1
Matrix: Solid Analysis Batch: 34158 Analyte Chloride Lab Sample ID: 880-1896 Matrix: Solid Analysis Batch: 34158	54-1 MS Sample		Added 250 Spike	Result 241.1	LCSD Qualifier	Unit mg/Kg		96	%Rec Limits 90 - 110 Client Sa Prep To %Rec	RPD 0	RPE Limi 20 D: A1
Matrix: Solid Analysis Batch: 34158 Analyte Chloride Lab Sample ID: 880-1896 Matrix: Solid Analysis Batch: 34158 Analyte	Sample Result 48.0		Added 250 Spike Added	Result 241.1 MS Result	LCSD Qualifier	Unit mg/Kg Unit		96 %Rec	%Rec Limits 90 - 110 Client Se Prep Ty %Rec Limits	RPD 0 ample I sype: So	Pr A

Sample Sample

46.0

Result Qualifier

Spike

Added

250

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MSD MSD

313.8

Result Qualifier

Unit

mg/Kg

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RPD

0

RPD

Limit

20

9/19/2022

D %Rec

107

%Rec

Limits

90 - 110

Analyte

Chloride

QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

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Pre	D D	1lCII	: 54	413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	5035	
880-18964-2	A2	Total/NA	Solid	5035	
880-18964-3	A3	Total/NA	Solid	5035	
880-18964-4	A4	Total/NA	Solid	5035	
880-18964-5	A5	Total/NA	Solid	5035	
880-18964-6	A6	Total/NA	Solid	5035	
880-18964-7	A7	Total/NA	Solid	5035	
880-18964-8	A8	Total/NA	Solid	5035	
880-18964-9	A9	Total/NA	Solid	5035	
880-18964-10	A10	Total/NA	Solid	5035	
MB 880-34413/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34413/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34413/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18964-1 MS	A1	Total/NA	Solid	5035	
880-18964-1 MSD	A1	Total/NA	Solid	5035	

Prep Batch: 34555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34555/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 34644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	8021B	34413
880-18964-2	A2	Total/NA	Solid	8021B	34413
880-18964-3	A3	Total/NA	Solid	8021B	34413
880-18964-4	A4	Total/NA	Solid	8021B	34413
880-18964-5	A5	Total/NA	Solid	8021B	3441
880-18964-6	A6	Total/NA	Solid	8021B	34413
880-18964-7	A7	Total/NA	Solid	8021B	3441
880-18964-8	A8	Total/NA	Solid	8021B	3441
880-18964-9	A9	Total/NA	Solid	8021B	3441
880-18964-10	A10	Total/NA	Solid	8021B	3441
MB 880-34413/5-A	Method Blank	Total/NA	Solid	8021B	3441
MB 880-34555/5-A	Method Blank	Total/NA	Solid	8021B	3455
LCS 880-34413/1-A	Lab Control Sample	Total/NA	Solid	8021B	34413
LCSD 880-34413/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3441
880-18964-1 MS	A1	Total/NA	Solid	8021B	3441
880-18964-1 MSD	A1	Total/NA	Solid	8021B	34413

Analysis Batch: 34764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	Total BTEX	
880-18964-2	A2	Total/NA	Solid	Total BTEX	
880-18964-3	A3	Total/NA	Solid	Total BTEX	
880-18964-4	A4	Total/NA	Solid	Total BTEX	
880-18964-5	A5	Total/NA	Solid	Total BTEX	
880-18964-6	A6	Total/NA	Solid	Total BTEX	
880-18964-7	A7	Total/NA	Solid	Total BTEX	
880-18964-8	A8	Total/NA	Solid	Total BTEX	
880-18964-9	A9	Total/NA	Solid	Total BTEX	
880-18964-10	A10	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	8015B NM	34021
880-18964-2	A2	Total/NA	Solid	8015B NM	34021
880-18964-3	A3	Total/NA	Solid	8015B NM	34021
880-18964-4	A4	Total/NA	Solid	8015B NM	34021
880-18964-5	A5	Total/NA	Solid	8015B NM	34021
880-18964-6	A6	Total/NA	Solid	8015B NM	34021
880-18964-7	A7	Total/NA	Solid	8015B NM	34021
880-18964-8	A8	Total/NA	Solid	8015B NM	34021
880-18964-9	A9	Total/NA	Solid	8015B NM	34021
880-18964-10	A10	Total/NA	Solid	8015B NM	34021
MB 880-34021/1-A	Method Blank	Total/NA	Solid	8015B NM	34021
LCS 880-34021/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34021
LCSD 880-34021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34021
880-18964-1 MS	A1	Total/NA	Solid	8015B NM	34021
880-18964-1 MSD	A1	Total/NA	Solid	8015B NM	34021

Prep Batch: 34021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	8015NM Prep	
880-18964-2	A2	Total/NA	Solid	8015NM Prep	
880-18964-3	A3	Total/NA	Solid	8015NM Prep	
880-18964-4	A4	Total/NA	Solid	8015NM Prep	
880-18964-5	A5	Total/NA	Solid	8015NM Prep	
880-18964-6	A6	Total/NA	Solid	8015NM Prep	
880-18964-7	A7	Total/NA	Solid	8015NM Prep	
880-18964-8	A8	Total/NA	Solid	8015NM Prep	
880-18964-9	A9	Total/NA	Solid	8015NM Prep	
880-18964-10	A10	Total/NA	Solid	8015NM Prep	
MB 880-34021/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34021/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18964-1 MS	A1	Total/NA	Solid	8015NM Prep	
880-18964-1 MSD	A1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Total/NA	Solid	8015 NM	
880-18964-2	A2	Total/NA	Solid	8015 NM	
880-18964-3	A3	Total/NA	Solid	8015 NM	
880-18964-4	A4	Total/NA	Solid	8015 NM	
880-18964-5	A5	Total/NA	Solid	8015 NM	
880-18964-6	A6	Total/NA	Solid	8015 NM	
880-18964-7	A7	Total/NA	Solid	8015 NM	
880-18964-8	A8	Total/NA	Solid	8015 NM	
880-18964-9	A9	Total/NA	Solid	8015 NM	
880-18964-10	A10	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-18964-1	A1	Soluble	Solid	DI Leach	
880-18964-2	A2	Soluble	Solid	DI Leach	
880-18964-3	A3	Soluble	Solid	DI Leach	
880-18964-4	A4	Soluble	Solid	DI Leach	
880-18964-5	A5	Soluble	Solid	DI Leach	
880-18964-6	A6	Soluble	Solid	DI Leach	
880-18964-7	A7	Soluble	Solid	DI Leach	
880-18964-8	A8	Soluble	Solid	DI Leach	
880-18964-9	A9	Soluble	Solid	DI Leach	
880-18964-10	A10	Soluble	Solid	DI Leach	
MB 880-33994/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33994/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33994/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18964-1 MS	A1	Soluble	Solid	DI Leach	
880-18964-1 MSD	A1	Soluble	Solid	DI Leach	

Analysis Batch: 34158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18964-1	A1	Soluble	Solid	300.0	33994
880-18964-2	A2	Soluble	Solid	300.0	33994
880-18964-3	A3	Soluble	Solid	300.0	33994
880-18964-4	A4	Soluble	Solid	300.0	33994
880-18964-5	A5	Soluble	Solid	300.0	33994
880-18964-6	A6	Soluble	Solid	300.0	33994
880-18964-7	A7	Soluble	Solid	300.0	33994
880-18964-8	A8	Soluble	Solid	300.0	33994
880-18964-9	A9	Soluble	Solid	300.0	33994
880-18964-10	A10	Soluble	Solid	300.0	33994
MB 880-33994/1-A	Method Blank	Soluble	Solid	300.0	33994
LCS 880-33994/2-A	Lab Control Sample	Soluble	Solid	300.0	33994
LCSD 880-33994/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33994
880-18964-1 MS	A1	Soluble	Solid	300.0	33994
880-18964-1 MSD	A1	Soluble	Solid	300.0	33994

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A1

Lab Sample ID: 880-18964-1

Matrix: Solid

Date Collected: 09/06/22 13:00 Date Received: 09/07/22 15:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 14:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 20:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 18:47	CH	EET MID

Lab Sample ID: 880-18964-2

Matrix: Solid

Date Collected: 09/06/22 13:30 Date Received: 09/07/22 15:52

Client Sample ID: A2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 15:05	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 21:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:01	CH	EET MID

Client Sample ID: A3
Date Collected: 09/06/22 14:00
Date Received: 09/07/22 15:52

Lab Sample ID: 880-18964-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	52011012		5.01 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 15:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:06	CH	EET MID

Client Sample ID: A4

Date Collected: 09/06/22 14:15

Date Received: 09/07/22 15:52

Lab Sample ID: 880-18964-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 15:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A4

Lab Sample ID: 880-18964-4

Matrix: Solid

Date Collected: 09/06/22 14:15 Date Received: 09/07/22 15:52

Client Sample ID: A5

Date Collected: 09/06/22 14:30

Date Received: 09/07/22 15:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM	52011010	1	7.1-104(1.051-10.00	700,000,000,001000	34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 22:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	34158	09/10/22 19:11	CH	EET MID

Lab Sample ID: 880-18964-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 18:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		18			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 22:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:16	CH	EET MID

Client Sample ID: A6 Lab Sample ID: 880-18964-6 Date Collected: 09/06/22 14:45

Date Received: 09/07/22 15:52

Matrix: Solid

Dave Town	Batch	Batch	Door	Dil	Initial	Final	Batch	Prepared	- American	Lak
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34413	09/13/22 14:26	MR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 16:27	MR	EET MIC
Total/NA	Analysis	Total BTEX		10			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MIC
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 22:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:30	CH	EET MID

Lab Sample ID: 880-18964-7 Client Sample ID: A7 Date Collected: 09/06/22 15:00 Matrix: Solid Date Received: 09/07/22 15:52

	Batch	Batch	227000	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	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 18:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 23:18	SM	EET MID

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

Client Sample ID: A7 Date Collected: 09/06/22 15:00 Date Received: 09/07/22 15:52

Client Sample ID: A8

Date Collected: 09/06/22 15:45

Date Received: 09/07/22 15:52

Lab Sample ID: 880-18964-7

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			5.03 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:35	CH	EET MID

Lab Sample ID: 880-18964-8

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Method Factor Amount Amount Number or Analyzed Lab Type Analyst Run Total/NA 5035 34413 Prep 4.97 g 5 mL 09/13/22 14:26 MR EET MID Total/NA 8021B 34644 09/17/22 17:08 MR Analysis 5 mL 5 mL EET MID Total/NA Total BTEX 34764 09/19/22 09:18 AJ Analysis 1 EET MID Total/NA Analysis 8015 NM 1 34072 09/09/22 10:04 SM EET MID Total/NA 8015NM Prep 10.02 g 10 mL 34021 09/08/22 14:28 DM EET MID Prep Total/NA Analysis 8015B NM 1 uL 1 uL 33970 09/08/22 23:40 SM EET MID Soluble Leach 4.97 g 50 mL 33994 09/08/22 09:18 KS EET MID 09/10/22 19:40 CH Soluble Analysis 300.0 50 mL 50 mL 34158 EET MID

Client Sample ID: A9

Date Collected: 09/06/22 16:00

Lab Sample ID: 880-18964-9

Matrix: Solid

Date Received: 09/07/22 15:52

Date Received: 09/07/22 15:52

Batch Batch Dil Initial Final Batch Prepared Method Number or Analyzed Prep Type Factor Amount Amount Analyst Lab Type Run Total/NA Prep 5035 4.99 g 5 mL 34413 09/13/22 14:26 MR EET MID Total/NA Analysis 8021B 1 5 mL 5 mL 34644 09/17/22 17:28 MR EET MID Total/NA Analysis Total BTEX 1 34764 09/19/22 09:18 AJ EET MID Total/NA Analysis 8015 NM 34072 09/09/22 10:04 SM EET MID Total/NA 8015NM Prep 34021 09/08/22 14:28 DM Prep 10.02 a 10 mL EET MID EET MID Total/NA 8015B NM 1 uL 33970 09/09/22 00:02 SM Analysis 1 uL Soluble DI Leach 50 mL 33994 09/08/22 09:18 KS EET MID Leach 5 a Soluble Analysis 300.0 50 mL 50 mL 34158 09/10/22 19:45 CH EET MID

Client Sample ID: A10

Date Collected: 09/06/22 16:00

Lab Sample ID: 880-18964-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34413	09/13/22 14:26	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 17:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34764	09/19/22 09:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34072	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34021	09/08/22 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/09/22 00:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33994	09/08/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34158	09/10/22 19:50	CH	EET MID

Eurofins Midland

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Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Job ID: 880-18964-1 SDG: Lea County, NM

Laboratory References:

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

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Eurofins Midland

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Accreditation/Certification Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program NELAP		Identification Number	Expiration Date		
Texas			T104704400-22-24	08-30-23		
TI - 5-11 - 1-1-1						
the agency does not o	Control of the contro	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which		
	Control of the contro	Matrix	not certified by the governing authority. Analyte	I his list may include analytes for whic		
the agency does not o	offer certification.	53140-07	er au au con	This list may include analytes for whic		

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Eurofins Midland

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7

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Method

Total BTEX

8015 NM

DI Leach

8015B NM

8021B

300.0

5035 8015NM Prep

Method Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography Closed System Purge and Trap Job ID: 880-18964-1 SDG: Lea County, NM

EET MID

EET MID

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
MCAWW	EET MID
SW846	FET MID

SW846

ASTM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hag Berry 9 State COM Job ID: 880-18964-1 SDG: Lea County, NM

, ,	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-18964-1	A1	Solid	09/06/22 13:00	09/07/22 15:52	1 ft
880-18964-2	A2	Solid	09/06/22 13:30	09/07/22 15:52	1 ft
880-18964-3	A3	Solid	09/06/22 14:00	09/07/22 15:52	1 ft
880-18964-4	A4	Solid	09/06/22 14:15	09/07/22 15:52	1 ft
880-18964-5	A5	Solid	09/06/22 14:30	09/07/22 15:52	1 ft
880-18964-6	A6	Solid	09/08/22 14:45	09/07/22 15:52	1 ft
880-18964-7	A7	Solid	09/08/22 15:00	09/07/22 15:52	1 ft
880-18964-8	A8	Solid	09/06/22 15:45	09/07/22 15:52	1 ft
880-18964-9	A9	Solid	09/06/22 16:00	09/07/22 15:52	1 ft
880-18964-10	A10	Solid	09/08/22 16:00	09/07/22 15:52	1 ft

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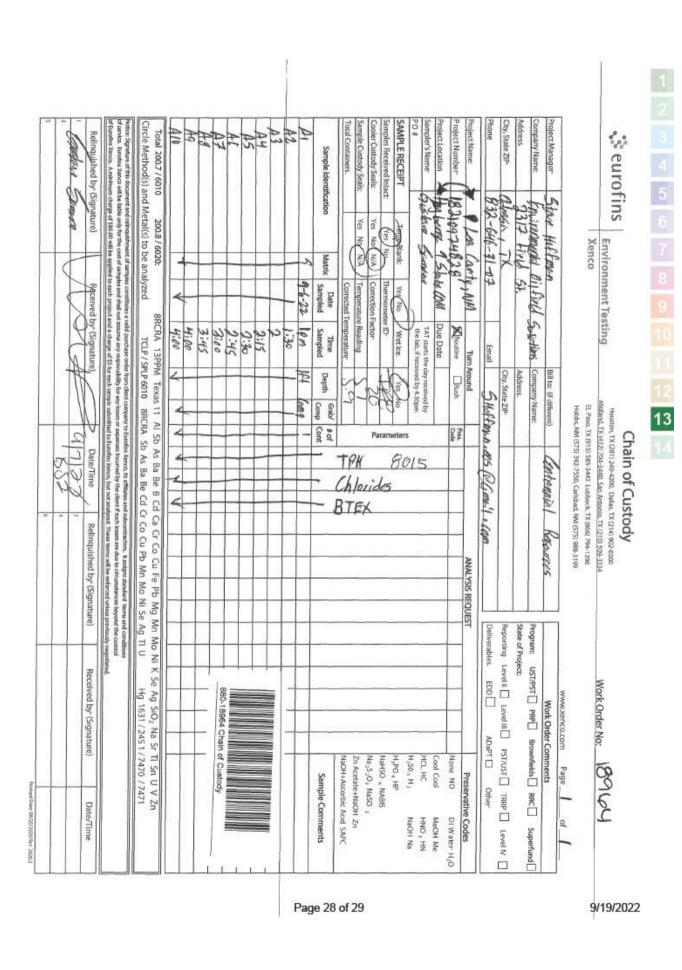
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Eurofins9Migl/and2



Login Sample Receipt Checklist

Client: Environmental Oilfield Solutions, LLC

Job Number: 880-18964-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 18964 List Number: 1

Creator: Rodriguez, Leticia

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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Environment Testing

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-20709-1

Laboratory Sample Delivery Group: Lea County, NM Client Project/Site: Hayberry 9 State Com

Environmental Oilfield Solutions, LLC 2317 Field St. Unit R Odessa, Texas 79761

Attn: Steve Hoffman

Holly Taylor

Authorized for release by: 11/1/2022 2:49:17 PM

Holly Taylor, Project Manager (806)794-1296

Holly.Taylor@et.eurofinsus.com

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

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

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Laboratory Job ID: 880-20709-1 SDG: Lea County, NM

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	Definitions/Glossary Inmental Oilfield Solutions, LLC Hayberry 9 State Com	Job ID: 880-20709-1 SDG: Lea County, NM
	layberry 5 State Com	SDG. Lea County, NIVI
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	A	
Qualifier	Qualifier Description	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
*1	LCS/LCSD RPD exceeds control limits.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

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Case Narrative

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Job ID: 880-20709-1 SDG: Lea County, NM

Job ID: 880-20709-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-20709-4

Receipt

The samples were received on 10/25/2022 11:52 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.4° C.

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: A-1 (880-20709-1) and A-10 (880-20709-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38099 and analytical batch 880-38214 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-37877 and analytical batch 880-37857 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 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-37877/3-A) and (MB 880-37877/1-A). Evidence of matrix interferences is not obvious.

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

General Chemistry

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

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

VOA Prep

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

Eurofins M

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Client: Environmental Oilfield Sol Project/Site: Hayberry 9 State Co						S	Job ID: 880-2 DG: Lea Cou	
Client Sample ID: A-1 Date Collected: 10/24/22 16:00 Date Received: 10/25/22 11:52 Dample Depth: 1 ft					L	ab Sample	e ID: 880-20 Matrix	709-' c: S olid
Method: SW846 8021B - Volat	tile Organic	Compoun	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00199	(CONT. (CO.)	0.00199	mg/Kg	_	10/28/22 12:40	10/31/22 17:44	
Toluene	< 0.00199	U	0.00199	mg/Kg		10/28/22 12:40	10/31/22 17:44	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		10/28/22 12:40	10/31/22 17:44	
m,p-Xylenes	< 0.00398	U	0.00398	mg/Kg		10/28/22 12:40	10/31/22 17:44	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		10/28/22 12:40	10/31/22 17:44	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/28/22 12:40	10/31/22 17:44	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90	9	70 _ 130			10/28/22 12:40	10/31/22 17:44	
1,4-Difluorobenzene (Surr)	90		70 _ 130			10/28/22 12:40	10/31/22 17:44	
Method: TAL SOP Total BTEX								
Analyte	40.00-0.00	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/01/22 09:15	
Method: SW846 8015 NM - Die				19993400	50800	I DESCRIPTION OF THE	001000000000000000000000000000000000000	0703150.00
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			10/27/22 09:52	
Method: SW846 8015B NM - E	lineal Dana	Organica	IDPOLICE)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	520000000000000000000000000000000000000	U *+ *1	50.0	mg/Kg		10/28/22 11:21	10/27/22 03:11	5
GRO)-C8-C10	-00.0	We Hit	00.0	marra		TOTEOTEE TTIET	TOTAL TIPLE GO. TT	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/26/22 11:21	10/27/22 03:11	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/26/22 11:21	10/27/22 03:11	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	89	g .	70 - 130			10/26/22 11:21	10/27/22 03:11	
o-Terphenyl (Surr)	101		70 - 130			10/26/22 11:21	10/27/22 03:11	
Method: MCAWW 300.0 - Anic	ons, Ion Chr	omatogra	phy - Soluble					
Analyte	1-00000000	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	43.9		5.02	mg/Kg			10/30/22 07:20	
lient Sample ID: A-10					L	ab Sample	e ID: 880-20	709-
ate Collected: 10/24/22 16:00 ate Received: 10/25/22 11:52 ample Depth: 1 ft							Matrix	c: Soli
Method: SW846 8021B - Volat	tile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
- W. CONDO (1975)	< 0.00201	U	0.00201	mg/Kg		10/28/22 12:40	10/31/22 18:10	
	< 0.00201		0.00201	mg/Kg		10/28/22 12:40	10/31/22 18:10	
Toluene		U	0.00201	mg/Kg			10/31/22 18:10	
Toluene Ethylbenzene	<0.00201					10/28/22 12:40	10/31/22 18:10	
Toluene Ethylbenzene m,p-Xylenes	<0.00402	U	0.00402	mg/Kg				
Toluene Ethylbenzene m,p-Xylenes		U	0.00402 0.00201	mg/Kg mg/Kg			10/31/22 18:10	
Toluene Ethylbenzene m.p-Xylenes o-Xylene	<0.00402	U U				10/28/22 12:40		
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.00402 <0.00201	U U U	0.00201	mg/Kg		10/28/22 12:40 10/28/22 12:40 Prepared	10/31/22 18:10	Dil Fa

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		Client	Sample Res	sults				
Client: Environmental Oilfield So							Job ID: 880-2	
roject/Site: Hayberry 9 State Co	ж					3	DG: Lea Cour	ity, ivivi
Client Sample ID: A-10 late Collected: 10/24/22 16:00 late Received: 10/25/22 11:52 sample Depth: 1 ft					L	ab Sample.	ID: 880-20 Matrix	709-2 :: Solid
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC) (Continu	red)				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	84		70 - 130			10/28/22 12:40	10/31/22 18:10	1
Method: TAL SOP Total BTEX		X Calculat	ion RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	MARKON TOOL	0.00402	mg/Kg	_ =	Першей	11/01/22 09:15	1
Method: SW846 8015 NM - Di Analyte Total TPH	A Company of the Comp	Qualifier	DRO) (GC) RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 10/27/22 09:52	Dil Fac
Method: SW846 8015B NM - E		Organics Qualifier	(DRO) (GC)	Unit	D	Dd	Analyzed	Dil Fac
Analyte Gasoline Range Organics		U *+ *1	49.9	mg/Kg	D	Prepared 10/28/22 11:21	10/27/22 03:32	DII Fac
(GRO)-C6-C10	~70.0	~	70.0	mgrig		TOTEUTEE TILE!	10/2/122 00:02	138
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/26/22 11:21	10/27/22 03:32	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/26/22 11:21	10/27/22 03:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 _ 130			10/26/22 11:21	10/27/22 03:32	1
o-Terphenyl (Surr)	116		70 - 130			10/26/22 11:21	10/27/22 03:32	1
Method: MCAWW 300.0 - Anio	ons, Ion Chr	omatogra	ohy - Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		5.03	mg/Kg			10/30/22 07:27	1

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		Surrogat	e Summary	
	Oilfield Solutions, LLC			Job ID: 880-20709-1
roject/Site: Hayberry	9 State Com			SDG: Lea County, NM
lethod: 8021B -	Volatile Organic Com	pounds (C	SC)	
atrix: Solid				Prep Type: Total/NA
			Percent Surrogate R	ecovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-20709-1	A-1	90	90	
380-20709-2	A-10	113	84	
CS 880-38099/1-A	Lab Control Sample	118	90	
CSD 880-38099/2-A	Lab Control Sample Dup	120	99	
MB 880-38099/5-A	Method Blank	79	90	
Surrogate Legend				
BFB = 4-Bromofluorob DFBZ = 1,4-Difluorobe				
lethod: 8015B N	M - Diesel Range Org	anics (DR	O) (GC)	
atrix: Solid		0.55		Prep Type: Total/NA
		2 638	Percent Surrogate R	Prep Type: Total/NA
		1001	Percent Surrogate R	Prep Type: Total/NA ecovery (Acceptance Limits)
atrix: Solid		1001	ОТРН1	
atrix: Solid	Client Sample ID	0 000		
atrix: Solid Lab Sample ID 180-20709-1	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	
atrix: Solid Lab Sample ID 180-20709-1 180-20709-2	Client Sample ID A-1	1CO1 (70-130)	OTPH1 (70-130)	
atrix: Solid Lab Sample ID 180-20709-1 180-20709-2 CS 880-37877/2-A	Client Sample ID A-1 A-10	1CO1 (70-130) 89 102	OTPH1 (70-130) 101 118	
	Client Sample ID A-1 A-10 Lab Control Sample	1CO1 (70-130) 89 102 97	OTPH1 (70-130) 101 116 118	

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OTPH = o-Terphenyl (Surr)

1,4-Difluorobenzene (Surr) 90 70 - 130 10/28/22 12:40 10/31/22 11:40 1			QC	Sample	Resu	ults				DOLUM SEC		
Client Sample ID: MB 880-38099/5-A Matrix: Solid Analysis Batch: 38214 MB MB Result Qualifier RL Unit D Prepared Prep Type: Total/NA Type: Type: Total/NA Prep Type: Tot									S			
Matrix Solid Analysis Batch 38214 MB MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Face Dil Face Prepared Analyzed Dil Face D	Method: 8021B - Volat	tile Organic C	ompou	nds (GC)							14 0-7 marin	
Matrix Solid Analysis Batch 38214 MB MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Face Dil Face Prepared Analyzed Dil Face D	Lab Sample ID: MB 880-3	38099/5-A						Clie	ent Samo	ole ID: Metho	d Blar	k
Result Result Qualifier RL Unit D Prepared Analyzed Dil Face Dil Fac	Matrix: Solid									Prep Type:	Total/N	Α
Benzene		270000000000000000000000000000000000000								200	57.5	88
Toluene			0.000			7,000						
Eltrylbenzene	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		사공	14.0763763		1000700	7.0	43760		아이 전쟁이 되었다.		363
March Marc			6620		383	1000	-	07029				55
According Acco			- E		23	0.25	76 III	10000				300
Xyenes, Total X X X X X X X X X	1033 St					0.380	50					
MB MB Surrogate MRecovery Qualifier Limits Drepared Analyzed Dil Face 10/28/22/12:40 10/31/22/11:40 11/4-Diffusorbenzene (Surr) 90 70 - 130 10/28/22/12:40 10/31/22/11:40 11/4-Diffusorbenzene (Surr) 90 70 - 130 10/28/22/12:40 10/31/22/11:40 11/4-Diffusorbenzene (Surr)	259					0.330	700					
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Face 10/28/22 12:40 10/31/22 11:40 1 1 1 1 1 1 1 1 1	Ayienes, Iotai	<0.00400	U	0.00400	10.	mg/r.	9	10/2	8/22 12:40	10/31/22 11:40	18.	3
### Abstraction of the image is a control of the image is and in the image is a control of the image is a control of the i		MB	MB									
1,4-Difluorobenzene (Surr) 90 70.130 10/28/22 12:40 10/31/22 11:40 1	Surrogate	%Recovery	Qualifier	Limits				F	repared	Analyzed	Dil F	ac
Client Sample ID: Lab Control Sample Matrix: Solid	4-Bromofluorobenzene (Surr)	79		70 - 130				10/2	28/22 12:40	10/31/22 11:40		1
Matrix: Solid Analysis Batch: 38214 Spike LCS LCS LCS Malysis Batch: 38099 Matrix: Solid Analysis Batch: 38214 Spike LCS LCS Malysis Batch: 38099 Matrix: Solid Analysis Batch: 38214 Spike LCS LCS Malysis Batch: 38214 Spike LCS LCS Malysis Batch: 38214 Spike LCS LCS LCS Malysis Batch: 38214 Spike LCS	1,4-Difluorobenzene (Surr)	90		70 _ 130				10/2	28/22 12:40	10/31/22 11:40	1	1
Benzene 0.100 0.09267 mg/Kg 93 70 - 130	Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 38214	-38099/1-A					Clie	nt Sa		Prep Type:	Total/N	Α
Toluene	Matrix: Solid Analysis Batch: 38214	.38099/1-A							INES	Prep Type: Prep Batc %Rec	Total/N	Α
Ethylbenzene	Matrix: Solid Analysis Batch: 38214 Analyte	.38099/1-A		Added	Result		Unit		%Rec	Prep Type: Prep Batc %Rec Limits	Total/N	Α
Discrept	Matrix: Solid Analysis Batch: 38214 Analyte Benzene	38099/1-A		Added 0.100	Result 0.09267		Unit mg/Kg		%Rec 93	Prep Type: Prep Batc %Rec Limits 70_130	Total/N	Α
Description	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene	38099/1-A		0.100 0.100	Result 0.09267 0.08730		Unit mg/Kg mg/Kg		%Rec 93 87	Prep Type: Prep Batc %Rec Limits 70_130 70-130	Total/N	Α
LCS LCS Surrogate %Recovery Qualifier Limits 70.130 1,4-Diffuorobenzene (Surr) 90 70.130 70.130	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene	38099/1-A		Added 0.100 0.100 0.100	Result 0.09267 0.08730 0.08721		Unit mg/Kg mg/Kg mg/Kg		%Rec 93 87 87	Prep Type: Prep Batc %Rec Limits 70_130 70_130 70_130	Total/N	Α
Surrogate %Recovery Qualifier Limits 70.130 118 70.130 14.4-Diffuorobenzene (Surr) 90 70-130 14.4-Diffuorobenzene (Surr) 90 70-1	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes	.38099/1-A		Added 0.100 0.100 0.100 0.200	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
### 4Bromofluorobenzene (Surr) 118 70.130 ###################################	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene	.38099/1-A		Added 0.100 0.100 0.100 0.200	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
1,4-Difluorobenzene (Surr) 90 70-130	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes		5	Added 0.100 0.100 0.100 0.200	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
Lab Sample ID: LCSD 880-38099/2-A Matrix: Solid Prep Type: Total/NA Analysis Batch: 38214 Spike LCSD LCSD WRec RPD Analyte Added Result Qualifier Unit D WRec Limits RPD Limit Benzene 0.100 0.09817 mg/Kg 98 70-130 6 35 Toluene 0.100 0.08916 mg/Kg 89 70-130 2 35 Ethylbenzene 0.100 0.8995 mg/Kg 90 70-130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70-130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate	LCS LCS %Recovery Qua	93767	Added 0.100 0.100 0.100 0.200 0.100	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
Matrix: Solid Prep Type: Total/NA Prep Batch: 38099 Analysis Batch: 38214 Spike LCSD LCSD WRec RPD Batch: 38099 Analyte Added Result Qualifier Unit D WRec Dimits Unit D WRec Dimits RPD D Dimits Benzene 0.100 0.09817 mg/Kg 98 70-130 6 35 Toluene 0.100 0.08916 mg/Kg 89 70-130 2 35 Ethylbenzene 0.100 0.08955 mg/Kg 90 70-130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70-130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	LCS LCS %Recovery Qua	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
Matrix: Solid Prep Type: Total/NA Prep Batch: 38099 Analysis Batch: 38214 Spike LCSD LCSD WRec RPD Batch: 38099 Analyte Added Result Qualifier Unit D WRec Dimits Unit D WRec Dimits RPD D Dimits Benzene 0.100 0.09817 mg/Kg 98 70-130 6 35 Toluene 0.100 0.08916 mg/Kg 89 70-130 2 35 Ethylbenzene 0.100 0.08955 mg/Kg 90 70-130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70-130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate	LCS LCS %Recovery Qua	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130	Result 0.09267 0.08730 0.08721 0.1768		Unit mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 93 87 87 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Total/N	Α
Analyte Added Result Qualifier Unit D %Rec RPD Limits RPD 2 3 3<	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130	Result 0.09267 0.08730 0.08721 0.1768	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 93 87 87 88 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Fotal/N: 3809	1A 199
Analyte Added Result Qualifier Unit D %Rec Limits RPD Limits Benzene 0.100 0.09817 mg/Kg 98 70-130 6 35 Toluene 0.100 0.08916 mg/Kg 89 70-130 2 35 Ethylbenzene 0.100 0.08955 mg/Kg 90 70-130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70-130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130	Result 0.09267 0.08730 0.08721 0.1768	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 93 87 87 88 88	Prep Type: Prep Batch %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	rotal/Nn: 3809	1A 199 1p 1A
Benzene 0.100 0.09817 mg/Kg 98 70 - 130 6 35 Toluene 0.100 0.08916 mg/Kg 89 70 - 130 2 35 Ethylbenzene 0.100 0.08955 mg/Kg 90 70 - 130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70 - 130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 - 130 70 - 130	Result 0.09267 0.08730 0.08721 0.1768 0.08756	Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 93 87 87 88 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type: Prep Batcl	ple Du Total/N n: 3809	109 109 100 100 100 100 100 100 100 100
Toluene 0.100 0.08916 mg/Kg 89 70 - 130 2 35 Ethylbenzene 0.100 0.08955 mg/Kg 90 70 - 130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70 - 130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 38214	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130 70 - 130 Spike	Result 0.09267 0.08730 0.08721 0.1768 0.08756	Qualifier (Unit mg/Kg mg/Kg mg/Kg mg/Kg	D ample	%Rec 93 87 87 88 88 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type: Prep Batcl %Rec	ple Du Total/N Total/N Total/N R	109 109 100 100 100 100 100 100 100 100
Ethylbenzene 0.100 0.08955 mg/Kg 90 70 - 130 3 35 m,p-Xylenes 0.200 0.1831 mg/Kg 92 70 - 130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 38214 Analyte	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130 70 - 130 Spike Added	Result 0.09267 0.08730 0.08721 0.1768 0.08756	Qualifier (Unit mg/Kg mg/Kg mg/Kg mg/Kg	D ample	%Rec 93 87 87 88 88 88	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control Sam Prep Type: Prep Batcl %Rec Limits Rf	ple Du Fotal/Nn: 3809 Fotal/Nn: 3809 RFD Lin	IP IP IA IP ID Init
m,p-Xylenes 0.200 0.1831 mg/Kg 92 70_130 3 35	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 38214 Analyte Benzene	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130 Spike Added 0.100	Result 0.09267 0.08730 0.08721 0.1768 0.08756 LCSD Result 0.09817	Qualifier (Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D ample	%Rec 93 87 87 88 88 ID: Lab	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control Sam Prep Type: Prep Batcl %Rec Limits RF 70 - 130	pple Du Fotal/N h: 3809 Fotal/N h: 3809 RFD Lin	IP IA IA IA IA IA IA IA IA IA IA IA IA IA
	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130 Spike Added 0.100 0.100	Result 0.09267 0.08730 0.08721 0.1768 0.08756 LCSD Result 0.09817	Qualifier (Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D ample	%Rec 93 87 87 88 88 ID: Lab	Prep Type: Prep Batcl %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control Sam Prep Type: Prep Batcl %Rec Limits RI 70 - 130 70 - 130	pple Du Fotal/N h: 3809 Fotal/N h: 3809 RF D Lin 8	IP A 99 PD Init 35 35
	Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 38214 Analyte Benzene Toluene Ethylbenzene	LCS LCS %Recovery Qua 118 90	93767	Added 0.100 0.100 0.100 0.200 0.100 Limits 70 _ 130 70 - 130 Spike Added 0.100 0.100 0.100	Result 0.09267 0.08730 0.08721 0.1768 0.08756 LCSD Result 0.09817 0.08966	Qualifier (Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D ample	%Rec 93 87 87 88 88 ID: Lab %Rec 98 89	Prep Type: Prep Batc %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Control Sam Prep Type: Prep Batc %Rec Limits Rf 70 - 130 70 - 130 70 - 130 70 - 130	ple Du Fotal/N h: 3809 h: 3809 Lin 6	IP IA 99 PD Init 35 35 35 35

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Limits

70 - 130

70 - 130

LCSD LCSD

%Recovery Qualifier

120

99

11/1/2022

Surrogate

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

lethod: 8015B NM - Die	sel Rano	10 (Organic	s (DRO)	(G	C								
	reconstruct.	,,,,	Jigaine	3 (01(0)	10	,0,							15 1/2	
Lab Sample ID: MB 880-378	377/1-A									Clie		ole ID: Me		
Matrix: Solid												Prep Typ		
Analysis Batch: 37857		2000	1000									Prep B	atch:	3/8/
		МВ		82						-			100	D. I. E.
Analyte			Qualifier		RL 0.0		Unit		D	_	repared 8/22 11:21	Analyz 10/26/22 2	-	Dil Fa
Gasoline Range Organics GRO)-C8-C10	5	50.0	U	50	J.U		mg/K	9		10/2	0/22 11:21	10/20/22	20.49	
Diesel Range Organics (Over 210-C28)	<{	50.0	U	50	0.0		mg/K	g		10/2	8/22 11:21	10/26/22	20:49	
Oll Range Organics (Over C28-C36)	< 5	50.0	U	50	0.0		mg/K	g		10/2	6/22 11:21	10/26/22 2	20:49	
		МВ	MB											
Surrogate	%Recov	very	Qualifier	Limits						Pı	repared	Analyz	ed	Dil Fa
l-Chlorooctane (Surr)		121		70 _ 13	0					10/2	6/22 11:21	10/26/22	20:49	
-Terphenyl (Surr)		146	S1+	70_13	0					10/2	6/22 11:21	10/26/22	20:49	
ab Sample ID: LCS 880-37	877/2-A							Cli	ent	Sar	nole ID:	Lab Con	trol S	ampl
Matrix: Solid												Prep Typ		
Analysis Batch: 37857												Prep B		
				Spike		LCS	LCS					%Rec		
inalyte				Added	- 1	Result	Qualifier	Unit		D	%Rec	Limits		
asoline Range Organics				1000		1077		mg/Kg			108	70_130		
GRO)-C6-C10 Diesel Range Organics (Over				1000		1003		mg/Kg			100	70 - 130		
C10-C28)	LCS	100												
Surrogate	%Recovery			Limits										
-Chlorooctane (Surr)	97	que	iiiici	70 - 130										
-Terphenyl (Surr)	118			70 - 130										
ah Cample ID: I CCD 000 1	7077 <i>I</i> 2 A							liant 6	om	nla	ID. Lab	Control (Earna!	o Dun
_ab Sample ID: LCSD 880-3 Matrix: Solid	0101113-A							ment 3	alli	pie		Control 9 Prep Typ		
Analysis Batch: 37857												Prep B		
andrysis Dutch. 57 057				Spike		LCSD	LCSD					%Rec	uton.	RP
Analyte				Added			Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Basoline Range Organics				1000		1328	*+ *1	mg/Kg			133	70 - 130	21	2
GRO)-C8-C10														
Diesel Range Organics (Over 210-C28)				1000		1159		mg/Kg			116	70 - 130	14	2
	LCSD	100	en.											
Gurrogate	%Recovery			Limits										
-Chlorooctane (Surr)	117	urud	er	70 _ 130										
>-Terphenyl (Surr)	137	S1+		70 _ 130										
ethod: 300.0 - Anions,	Ion Chro	oma	atograp	hy										
ab Sample ID: MB 880-378	36/1_A									Clie	nt Samr	ole ID: Me	ethod	Blan
Matrix: Solid										Silic	Dunip	Prep Ty		
Analysis Batch: 38165												. rep ry	por 3	Juni
		МВ	MB				Unit		D	Pr		Analyz		2000000000
			Qualifier		RL									Dil Fa

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ography (Cor	tinued)								
	•		Clier	nt Sai	mple ID				
Spike	LCS	LCS				%Rec			
Added	Result	Qualifier	Unit	D	%Rec	Limits			t
250	263.2		mg/Kg		105	90 - 110			
		(Client Sa	mple	ID: Lab				
Spike	LCSD	LCSD				%Rec		RPD	
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
250	263.8		mg/Kg		106	90 - 110	0	20	
	Spike Added 250 Spike Added	Spike LCS Added Result 250 263.2 Spike LCSD Added Result	Added Result Qualifier 250 263.2 Spike LCSD LCSD Added Result Qualifier	Spike LCS LCS Added Result Qualifier Unit 250 263.2 mg/Kg Client Sal	Spike LCS LCS Added Result Qualifier Unit D mg/Kg Client Sample Spike LCSD LCSD Added Result Qualifier Unit D	Spike LCS LCS Added Result Qualifier Unit D %Rec 250 263.2 mg/Kg 105 Client Sample ID: Lab Spike LCSD LCSD Added Result Qualifier Unit D %Rec	SDG: Leasography (Continued) Client Sample ID: Lab Corprep Ty Spike LCS LCS	SDG: Lea Count Ography (Continued) Client Sample ID: Lab Control Sample ID: Spike LCS LCS	Client Sample ID: Lab Control Sample Prep Type: Soluble

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QC	Asso	ciation	Summary
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Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com Job ID: 880-20709-1 SDG: Lea County, NM

GC VOA

Prep Batch: 38099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	5035	
880-20709-2	A-10	Total/NA	Solid	5035	
MB 880-38099/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38099/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38099/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 38214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	8021B	38099
880-20709-2	A-10	Total/NA	Solid	8021B	38099
MB 880-38099/5-A	Method Blank	Total/NA	Solid	8021B	38099
LCS 880-38099/1-A	Lab Control Sample	Total/NA	Solid	8021B	38099
LCSD 880-38099/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38099

Analysis Batch: 38335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	Total BTEX	
880-20709-2	A-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 37857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	8015B NM	37877
880-20709-2	A-10	Total/NA	Solid	8015B NM	37877
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015B NM	37877
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37877
LCSD 880-37877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37877

Prep Batch: 37877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	8015NM Prep	
880-20709-2	A-10	Total/NA	Solid	8015NM Prep	
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37877/3-A	Lab Control Sample Dun	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Total/NA	Solid	8015 NM	
880-20709-2	A-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Soluble	Solid	DI Leach	
880-20709-2	A-10	Soluble	Solid	DI Leach	
MB 880-37836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Job ID: 880-20709-1 SDG: Lea County, NM

HPLC/IC

Analysis Batch: 38165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20709-1	A-1	Soluble	Solid	300.0	37836
880-20709-2	A-10	Soluble	Solid	300.0	37836
MB 880-37836/1-A	Method Blank	Soluble	Solid	300.0	37836
LCS 880-37836/2-A	Lab Control Sample	Soluble	Solid	300.0	37836
LCSD 880-37836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37836

Eurofins Midland

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Job ID: 880-20709-1 SDG: Lea County, NM

Lab Sample ID: 880-20709-1

Matrix: Solid

Client Sample ID: A-1 Date Collected: 10/24/22 16:00 Date Received: 10/25/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	1000000		5.03 g	5 mL	38099	10/28/22 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38214	10/31/22 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38335	11/01/22 09:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			37991	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/27/22 03:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37836	10/25/22 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38165	10/30/22 07:20	CH	EET MID

Client Sample ID: A-10 Date Collected: 10/24/22 16:00

Batch

Batch

Lab Sample ID: 880-20709-2

Matrix: Solid

Date Received: 10/25/22 11:52

Prepared		
or Analyzed	Analyst	Lab
0/28/22 12:40	MNR	EET MID
0/31/22 18:10	MNR	EET MID
1/01/22 09:15	AJ	EET MID
0/27/22 09:52	AJ	EET MID
0/26/22 11:21	DM	EET MID

Prep Type Type Method Run Factor Amount Amount Number or Anal Total/NA 5035 4.97 g 5 mL 38099 10/28/22 Prep Total/NA 8021B 1 38214 10/31/22 Analysis 5 mL 5 mL Total/NA Analysis Total BTEX 1 38335 11/01/22 Total/NA 8015 NM 37991 10/27/22 Analysis Total/NA 8015NM Prep 10.03 g 37877 10/26/22 10 mL Prep Total/NA Analysis 8015B NM 1 uL 1 uL 37857 10/27/22 03:32 SM EET MID Soluble Leach DI Leach 4.97 g 50 mL 37836 10/25/22 15:49 SMC EET MID 300.0 10/30/22 07:27 CH Soluble Analysis 50 mL 50 mL 38165 EET MID

Initial

Final

Batch

Dil

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Job ID: 880-20709-1

SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	F	rogram	Identification Number	Expiration Date
Texas	N	IELAP	T104704400-22-24	06-30-23
The following analyte the agency does not		oort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
001014141			10101 11 11	

Eurofins Midland

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Method Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com

Job ID: 880-20709-1 SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	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

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Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

11/1/2022

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Sample Summary

Client: Environmental Oilfield Solutions, LLC Project/Site: Hayberry 9 State Com Job ID: 880-20709-1 SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-20709-1	A-1	Solid	10/24/22 16:00	10/25/22 11:52	1 ft
880-20709-2	A-10	Solid	10/24/22 16:00	10/25/22 11:52	1 ft

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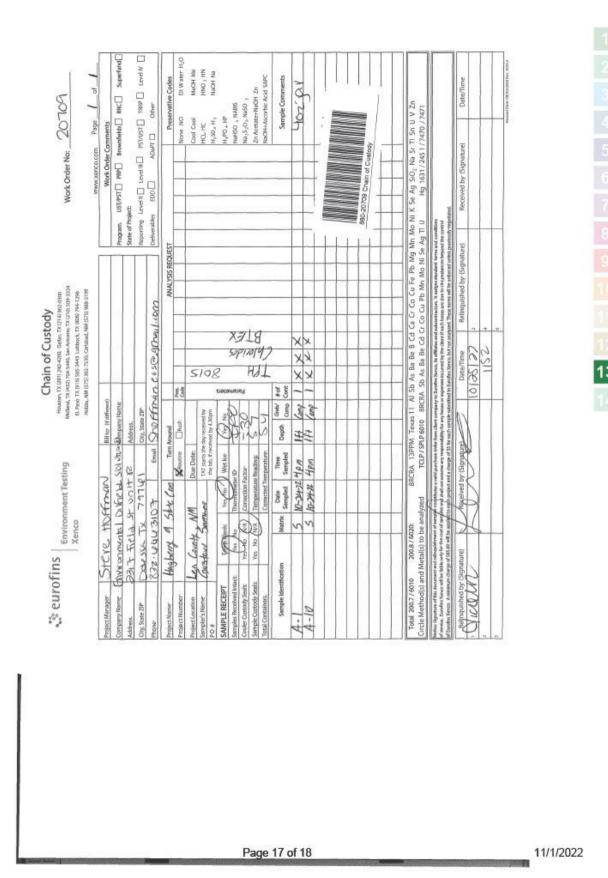
12

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Eurofins/Mid/20d2

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Login Sample Receipt Checklist

Client: Environmental Oilfield Solutions, LLC

Job Number: 880-20709-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 20709 List Number: 1

Creator: Rodriguez, Leticia

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

Eurofins Midland

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Appendix B: FORM C-141

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165	
Contact Name: Montgomery Floyd	Contact Telephone: 432-315-0123	
Contact email: Montgomery.floyd@cdevinc.com	Incident # nAPP2129339302	1/21/2-2-2
Contact mailing address: 500 W. Illinois Ave, Suite 500, Mic Texas 79705	fland	
Location	of Release Source	
Latitude 32.412426	Longitude -103.380131	

Site Name: Hagberry 9 State Com CTB	Site Type: Production Facility	
Date Release Discovered: 10-17-21	API# (if applicable) 30025484060000	

	Unit Letter S	ection Township	Range	County
09 22S 35E Lea	09	22S	35E	Lea

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Crude Oil	rial(s) Released (Select all that apply and attach calculations or speci Volume Released (bbls) 34	Volume Recovered (bbls) 27.5
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Production separator vo	essel dump controlled malfunctioned leading to spill ov	er of storage tank causing fluid to impact surface.

State of New Mexico Oil Conservation Division

Incident ID	
District RP	W. Carrier and C. Car
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ⊠ No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the 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 dikes, absorbent pads, or other containment devices.
	coverable materials have been removed and managed appropriately.
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred a rarea (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 environn failed to adequately investiga	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Montgome	ry Floyd Title: Sr. Environmental Analyst
Signature:	Date: 11-2-21
email: Montgomery.floyd	@cdevinc.com Telephone: 432-315-0123
OCD Only	
Received by:	Date:

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State of New Mexico Oil Conservation Division

Incident ID	nAPP2129339302
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?	Unknown (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.

Char	racterization 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. Sield 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 Copographic/Aerial maps Laboratory data including chain of custody	

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

State of New Mexico Oil Conservation Division

Incident ID	nAPP2129339302
District RP	
Facility ID	
Application ID	

I hereby certify that the information g regulations all operators are required public health or the environment. The failed to adequately investigate and re- addition, OCD acceptance of a C-141	to report and/or file certain release re e acceptance of a C-141 report by the emediate contamination that pose a t	otifications and perf c OCD does not relic hreat to groundwater	orm corrective actions for releases veve the operator of liability should to surface water, human health or the	which may endanger heir operations have environment. In
Printed Name: NIKKI Signature: MUU MU	Mishler	Title: S / I	. Environmental	Representative
email: nikki.Mis	where coleving . co	► Telephone:	432 - 634 - 8723	<u>) </u>
OCD Only Received by:		_ Date: _	<u></u>	

State of New Mexico Oil Conservation Division

Incident ID	nAPP2129339302	
District RP		
Facility ID		
Application ID		

Remediation Plan

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

State of New Mexico Oil Conservation Division

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

must be notified 2 days prior to liner inspection)

Incident ID	nAPP2129339302	
District RP		
Facility ID		
Application ID		

Closure

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

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office

	appropriate ODC District office must be notified 2 days prior to final sampling)
and regulations all operators are required to report a may endanger public health or the environment. The should their operations have failed to adequately involved their operations have failed to adequately involved their operations have failed to adequately involved their operations. In addition, OCE compliance with any other federal, state, or local law restore, reclaim, and re-vegetate the impacted surface accordance with 19.15.29.13 NMAC including noting their printed Name:	true and complete to the best of my knowledge and understand that pursuant to OCD rules ind/or file certain release notifications and perform corrective actions for releases which he acceptance of a C-141 report by the OCD does not relieve the operator of liability vestigate and remediate contamination that pose a threat to groundwater, surface water, of acceptance of a C-141 report does not relieve the operator of responsibility for was and/or regulations. The responsible party acknowledges they must substantially be area to the conditions that existed prior to the release or their final land use in fication to the OCD when reclamation and re-vegetation are complete. Title: Sr. Churchwell Reposentative Date: 8/11/22
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the re remediate contamination that poses a threat to ground party of compliance with any other federal, state, or	sponsible party of liability should their operations have failed to adequately investigate and dwater, surface water, human health, or the environment nor does not relieve the responsible local laws and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Appendix C: Request for Approval of Extension of Reporting Date

From:	Steven Hoffman		
To:	Fo: jpschnable@suddenlink.net Subject: Fwd: FW: -EXTERNAL- RE: [EXTERNAL] nAPP2129339302 - Request for Extension - Hagberry 9		
Date:			
Forwarded message From: Nikki Mishler <nikki.mishler@cdevinc.com> Date: Thu, Sep 22, 2022, 3:19 PM Subject: FW: -EXTERNAL- RE: [EXTERNAL] nAPP2129339302 - Request for Extension - Hagberry 9 To: Steven Hoffman <shoffman.eos@gmail.com></shoffman.eos@gmail.com></nikki.mishler@cdevinc.com>			
60 day extensio	on approved and moved to 11/23/22.		
oo day extensit	approved and moved to 11/25/22.		
From: Nobui	Jennifer, EMNRD < Jennifer. Nobui@emnrd.nm.gov>		
	y, September 22, 2022 3:18 PM		
	nler < <u>Nikki.Mishler@cdevinc.com</u> >		
	Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD</mike.bratcher@emnrd.nm.gov>		
	et@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD		
	non@emnrd.nm.gov> ERNAL- RE: [EXTERNAL] nAPP2129339302 - Request for Extension		
SubjectEXT	ERIVAL- RE. [EXTERNAL] HATT 2129339302 - Request for Extension		
WARNING: The	sender of this email could not be validated and may not match the person in the "From" field.		
Nikki			
OCD approves your request for a 60-day extension to November 23, 2022 to submit a closure report. 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.			
Thanks,			
Jennifer Nobui			
From: Nikki Mishler < Nikki.Mishler@cdevinc.com>			

Sent: Thursday, September 22, 2022 2:09 PM

To: Nobui, Jennifer, EMNRD < Jennifer.Nobui@emnrd.nm.gov > Subject: [EXTERNAL] nAPP2129339302 - Request for Extension

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon Ms. Nobui,

I would like to request a 60-day extension to complete remediation activities and submit the closure report for the release at the Hagberry 9 Battery referenced below. Issues with Xenco's laboratory equipment delayed sample turnaround time and delivery of the laboratory report associated with composite confirmation sampling activities. The laboratory report was delivered yesterday evening.

Thank you,

Nikki Mishler

432-634-8722

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

Sent: Tuesday, August 23, 2022 12:53 PM

To: Nikki Mishler < Nikki.Mishler@cdevinc.com>

Subject: -EXTERNAL- The Oil Conservation Division (OCD) has rejected the application,

Application ID: 135332

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Nikki Mishler for CENTENNIAL RESOURCE PRODUCTION, LLC),

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2129339302, for the following reasons:

Closure Report Denied. Insufficient number of confirmation soil samples collected.
Composite confirmation samples will be collected from the bottom and sidewalls of
the excavation from areas representing no more than two hundred (200) square
feet 19.15.29.12.D(1)(c) NMAC. Need to demonstrate boundaries meet the most
stringent criteria - need to collect side wall samples. Site plan needs to contain a
scale. Please resubmit a revised Closure Report by September 23, 2022 to OCD
portal. If you have any questions regarding this denial, please contact OCD for
clarification.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 135332.

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

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

Thank you, Jennifer Nobui Environmental Specialist-Advanced 505-470-3407 Jennifer.Nobui@state.nm.us

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

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

Appendix D: Revised Closure C-141

A scaled site and sampling diagram as described in 19.15.29 11 NMAC.

Form C-141 Page 6 State of New Mexico Oil Conservation Division

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

Incident ID	nAPP2129339302
District RP	
Facility ID	
Application ID	

Closure

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

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)				
■ Laboratory analyses of final sampling (Note; appropriate ODC District office must be notified 2 days prior to final sampling)				
☐ Description of remediation activities				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.				
Printed Name: Nikki Mishler Title: Senior Environmental Representative				
Signature: Mull Misch Date: 11/21/22				
email: Nikki.Mishler@cdevinc.com Telephone: 432-634-8722				
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:				
Printed Name:Jennifer Nobui Title: _Environmental Specialist A				

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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 160850

CONDITIONS

Operator:	OGRID:
CENTENNIAL RESOURCE PRODUCTION, LLC	372165
1001 17th Street, Suite 1800	Action Number:
Denver, CO 80202	160850
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/18/2023