Received by OCD: 4/26/2022 1:39:27 PM State of New Mexico

Oil Conservation Division

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Incident ID	nAPP2123650648
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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01111 (-141		•	Incident ID	nAPP2123650648
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public health or the enviror failed to adequately investi	arequired to report and/or file certain release iment. The acceptance of a C-141 report by gate and remediate contamination that pose	a threat to groundwater, su	the operator of liability sh face water, human health	nould their operations have not the environment. In
addition, OCD acceptance and/or regulations. Printed Name: <u>Albert O</u> Signature: <u>MWW</u> email: <u>albert.ochoa@goo</u>	choa Choa Choa Dodnightmidstream.com	Title: HSE Representation Date: 04/26/202 Telephone: (432)	<u>sentative</u> 2 242-6629	

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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.

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Albert Ochoa	Title: HSE Representative
Signature: awat Ochoa	Date: 04/26/2022
email: albert.ochoa@goodnightmidstream.com	Telephone: (432)242 6629
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by: <u>Jennifer Nobui</u>	Date: 05/19/2022

Title: Environmental Specialist A

Released to Imaging: 5/19/2022 2:47:38 PM

Printed Name:

Jennifer Nobui

Incidents #nAPP2123650648 and #nAPP2126532858 affected partially the same area. The releases were remediated concurrently. To aid in recordkeeping, the attached *Closure Request and Reclamation Report* has been submitted through the NMOCD Online Payment Portal for **each** incident.

Cheddar RP SWD Soil Reclamation Report

Gustavo Samano-Soto

February 20, 2022



ENVIRONMENTAL OILFIELD SOLUTIONS, L.L.C.

2317 Field St. Unit R, Odessa, Texas 79761

Main: 832.646.3107

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Cheddar RP SWD 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 on September 2021. Contaminated soil was to be removed from the location Cheddar RP. Soil was to be tested until chloride levels where near background levels or with the State's set standard threshold of 600PPM as the benchmark for chlorides. Soil was to be tested also for THP (Hydrocarbons), until TPH levels where near background levels or with the State's set standard threshold of 100PPM as the benchmark for hydrocarbons. Soil was also to be tested for BTEX until level were within the State's set standard threshold of 50PPM and Benzene not to exceed 10PPM as the benchmark for hydrocarbons.

TITLE 19NATURAL RESOURCES AND WILDLIFECHAPTER 15OIL AND GASPART 29RELEASES

19.15.29.1 ISSUING AGENCY: Oil Conservation Commission. [19.15.29.1 NMAC - Rp, 19.15.29.1 NMAC, 8/14/2018]

Location Diagram for Preliminary Soil Sample Testing

A figure was created to visualize the different areas of contamination. For the delineation of the site, soil samples were taken from visibly contaminated areas and marked (**Figure 1**). These soil samples of different locations and depths were then flagged on location and taken to a Third-Party Laboratory (*Xenxo Laboratories*) for analysis. *Technical Analysis ID:880-5912 (pgs.30-36)* 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 gauge the concentration of chlorides and TPH on the soil; these are summarized in **Table:1** below (pg. 8).

Cheddar SWD Release Diagram



Figure 1: Cheddar RP SWD Chloride Release Diagram

Figure 1, Cheddar RP SWD Chloride Release Diagram, above shows the diagram created for the soil reclamation process. Sample locations on diagram are shown with circled numbers 1-18. Samples taken from 9/7/2021 to the end of the project are directly correlated with the sample locations on the diagram here shown. I.e., samples marked #1 after 9/7/2021 were taken on the southwest side of the location, samples marked #15 after 9/7/2021 were taken on the northwest side of the location and so forth.

Karst Evaluation



Karst Evaluation Map shows low Karts potential at location Cheddar RP SWD.

FEMA National Flood Map



OTHER AREAS

FEMA national flood map showed no flood hazard in area where Cheddar RP SWD is located.

Excavation Proposal

The location was divided into quadrants (**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 (*Xenxo Laboratories*) for analysis to ensure on-site soil analysis estimates were infact accurate. Quadrants were lab ananysis that showed over threshold contamination levels were to be further excavated. For closure, final composit samples were then to be taken and sent to *Xenxo Laboratories* foranalysis. Finally, backfill of all excavated areas was to be performed.



Figure 2: Areal Image of Cheddar RP Showing Delineation Locations as quadrants.

Figure 2, Areal Image of Cheddar RP Showing Delineation Locations., above shows an aerial view of the location where the release occurred. Here sections are shown to be divided by red squares/rectangles. Whitin each section, samples were taken at different depths (6in and 4ft) and analyzed on-site to ensure adjacent areas near each section where not affected by the contamination. These specific locations OF grab samples are shown on the map with letters A-D. **Note:** sections 16-18 were later added to be part of the delineation since analysis of soil samples suggested contaminated soil northeast of sections 10 and 12

Table:1 Chedda	r Initial Grab Sample	s 9/07/2021 (<i>Tecl</i>	hnical Analysis ID	:880-5912)
Sample ID	Sample Coordinates	Sample Depth	TPH Level	Chloride
Quadrant #				Level
1	32,446331	6in	<50	40.2
-	103.687277			10.2
2	32.446425, -	6in	44100	6090
	103.687265			
3	32.446510, -	6in	5430	4610
	103.687260			
Δ	32 446599 -	6in	203	50.1
т	103.687260	UIII	203	50.1
5	32.446420, -	6in	13400	8960
	103.687110			
6	32.446300, -	6in	2010	2070
	103.687050			
7	32 1/6/35 -	6in	20700	5150
,	103.687050	011	20700	5150
	1001007 000			
8	32.446550, -	6in	260	<50
	103.687099			
9	32.446600, -	6in	289	5390
	103.687001			
10	22.446800 -	6in	51.9	1620
10	103 687100	UIII	51.0	1020
11	32.446766, -	6in	<50	16700
	103.687250			
12	32.446910, -	6in	<50	246
	103.687158			
13	32 //6910 -	6in	44700	17900
15	103.687250	UII	44700	17500
14	32.446910, -	6in	51000	18400
	103.687350			
15	32.446910, -	6in	456	154
	103.687510			
Background	32 446710 -	6in	72.6	11 9
Bacingiound	103.687280	0.11	,2.0	11.5
6P4	32.446300, -	4ft	7000	1710
	103.687050			
13P4	32.446910, -	4ft	168	105
	103.687250			

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Chart 1, *Chloride Levels in Release Areas at ... Analysis ID:880-5912 [9/07/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021. Results suggest high chloride surface contamination at some areas of the location.

Results from the preliminary samples taken at the *Cheddar RP* suggest that chloride contamination levels were high (over 10,000ppm) where visible dark surface coloration was present. These preliminary samples also suggested above threshold limit chloride levels at a 4ft depth in some areas near the release location



Chart 2, *TPH Levels in Release Areas at ... Analysis ID:880-5912* [9/07/2021] above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021. Results suggest high TPH surface contamination at some areas of the location.

Results from the preliminary samples taken at the *Cheddar RP* suggest that TPH contamination levels were high (over 13,000ppm) where visible dark surface coloration was present. These preliminary samples also suggested above threshold limit chloride levels at a 4ft depth in some areas near the release location.

Summary of Chloride and TPH Levels of Areas at Cheddar RP SWD Before During, and After Soil Reclamation

Through the time period of September 30, 2021, to November 01, 2021 the soil of contaminated areas of the location was dug out and disposed of using a backhoe. Areas that were difficult to reach because of pipping were dug out using a hydro-vac. On-site soil sampling and analysis was periodically taken to ensure acceptable chloride and TPH levels. In areas where chloride levels were above threshold levels, further disposal of soil was performed until acceptable levels were achieved. Lab Analysis *ID: 880-7448 (pgs.40-46), 880-8008 (pgs.47-48), 880-8085 (pg.49), and 880-8240 (pg.50)* show the soil analysis results of samples taken to the lab which record the progress made. These levels of chlorides and TPH of the different areas in the location *Cheddar RP SWD* are summarized in **Table: 2** below:

Table:2 Cheddar Progress Grab Samples 10/20/2021							
Sample ID	Sample	Sample Depth	TPH Level	Chloride Level			
Quadrant #	Coordinates						
2	32.446425,	6in	<50	146			
	-103.687265						
2	32.446425,	4ft	<50	17.9			
	-103.687265						
3	32.446510,	6in	266	477			
	-103.687260						
5	32.446420,	6in	244	410			
	-103.687110						
6	32.446300,	6in	<50	247			
	-103.687050						
7	32.446435,	6in	54.6	244			
	-103.687050						
9	32.446600,	6in	<50	36.2			
	-103.687001						
10	32.446800,	6in	336	7340			
	-103.687100						
11	32.446766,	6in	1630	5190			
	-103.687250						
11	32.446766,	6in	<50	671			
	-103.687250						
13	32.446910,	6in	<50	11400			
	-103.687250						
14	32.446910,	6in	937	4860			
	-103.687350						

16	32.446710, -103.687280	6in	<50	7350
17	32.446980, -103.686850	6in	<50	9900
18	32.446901, -103.686910	6in	<50	3630



Chart 3, *Chloride Levels in Release Areas at Cheddar RP Soil Samples Analysis ID:880-7448 [10/20/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 10/20/2021. Samples taken here were for the purpose of tracking and recording the progress of the reclamation project for chlorides.



Chart 4, *TPH Levels in Release Areas at Cheddar RP Soil* Samples Analysis ID:880-7448 [10/20/2021] above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 10/20/2021. Samples taken here were for the purpose of tracking and recording the progress of the reclamation project for TPH.

Based on the analysis done on 10/20/2021 for TPH and Chlorides, it was concluded that quadrants 1,2, and 6-9 were reclaimed of TPH and Chlorides. All other quadrants however, (3-5, and 10-18) required further excavation. Further excavation of contaminated quadrants was performed, and grab samples were taken to *Xenxo Laboratories* for analysis. These contamination levels are summarized in **Table:3** below.

Table:3 Cheddar Progress Grab Samples 11/04/2021						
Sample ID	Sample	Sample Depth	TPH Level	Chloride Level		
Quadrant #	Coordinates					
10	32.446800,	1ft	_	193		
	-103.687100					
11	32.446766,	1ft	_	68.5		
	-103.687250					
13	32.446910,	1ft	_	68.5		
	-103.687250					
14	32.446910,	1ft	_	64.8		
	-103.687350					
16	32.446710,	1ft	_	161		
	-103.687280					
17	32.446980,	1ft	_	68.2		
	-103.686850					
18	32.446901,	1ft	_	22.8		
	-103.686910					
11	32.446766,	4ft	_	164		
	-103.687250					
1	1	1		1		

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Chart 5, *Cheddar RP Chloride Levels with Respect to Time Lab Analysis ID: 880-5913, 880-7446, and 880-8241* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021, 10/20/2021, and 11/11/2021. Charts here compares the chloride levels on all surface areas before, during, and after the reclamation process. Hot spots were further dug out to meet the required chloride threshold set by the New Mexico Oil Conservation Commission (<600ppm)

After further excavation of contaminated quadrants, on-site soil analysis of grab samples was done and results suggested all quadrants to be reclaimed of both TPH and Chlorides. It was determined that closure composite samples were to be taken and sent to *Xenxo Laboratories* for analysis to ensure contamination levels of Chlorides, TPH, BTEX, and Benzene were within threshold levels of *Table I of 19.15.29.12 NMAC*. **Table:4** below summarizes the contamination levels determined from the lab analysis performed of all quadrants.

	Table:4 Cheddar RP Final Composite Samples 2/01/2022 (Analysis 880-10912)						
Received by (CD: 4/26/2022 1-39 Sample 10 Quadrant #9	27 PM Sample C	oordinates	Sample Depth	Total BTEX Level	TPH Level	Chloride Level
	1	32.446331,	-103.687277	6in	<.002	<50	9.14
	1	32.446331,	-103.687277	4ft	<.002	<50	<5
	<mark>2</mark>	<mark>32.446425,</mark>	-103.687265	<mark>6in</mark>	<.002	<mark>3220**</mark>	128
	2	<mark>32.446425,</mark>	-103.687265	<mark>4ft</mark>	<.002	<50	<mark>1430**</mark>
	3	<mark>32.446510,</mark>	-103.687260	<mark>6in</mark>	<.002	<mark>378**</mark>	53.4
	3	32.446510,	-103.687260	4ft	<.002	<50	73.4
	<mark>4</mark>	<mark>32.446599,</mark>	-103.687260	<mark>6in</mark>	<.002	<50	<mark>3510**</mark>
	4	32.446599,	-103.687260	4ft	<.002	<50	15.8
	5	32.446420,	-103.687110	6in	<.002	<50	600
	5	32.446420,	-103.687110	4ft	<.002	<50	163
	6	32.446300,	-103.687050	6in	<.002	<50	265
	6	32.446300,	-103.687050	4ft	<.002	<50	154
	7	32.446435,	-103.687050	6in	<.002	<50	114
	7	32.446435,	-103.687050	4ft	<.002	<50	323
	8	32.446550,	-103.687099	6in	<.002	<50	177
	8	32.446550,	-103.687099	4ft	<.002	<50	229
	9	32.446600,	-103.687001	6in	<.002	<50	77.3
	9	32.446600,	-103.687001	4ft	<.002	<50	267
	10	32.446800,	-103.687100	6in	<.002	<50	192
	10	32.446800,	-103.687100	4ft	<.002	<50	184
	11	32.446766,	-103.687250	6in	<.002	<50	37.2
	11	32.446766,	-103.687250	4ft	<.002	<50	290
	12	32.446910,	-103.687158	6in	<.002	<50	11.4
	12	32.446910,	-103.687158	4ft	<.002	<50	6.94
	13	32.446910,	-103.687250	6in	<.002	<50	<5.03
	13	32.446910,	-103.687250	4ft	<.002	<50	5.43
	14	32.446910,	-103.687350	6in	<.002	<50	6.60
	14	32.446910,	-103.687350	4ft	<.002	<50	26.7
	15	32.446910,	-103.687510	6in	<.002	<50	12.4
	15	32.446910,	-103.687510	4ft	<.002	<50	8.25
	16	32.446710,	-103.687280	6in	<.002	<50	634
	16	32.446710,	-103.687280	4ft	<.002	<50	29.1

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17	32.446980,	-103.686850	6in	<.002	<50	6.61
17	32.446980,	-103.686850	4ft	<.002	<50	<5
18	32.446901,	-103.686910	6in	<.002	<50	69.3
18	32.446901,	-103.686910	4ft	<.002	<50	66.4

From these composite sample analysis it was determined that all quadrants where reclaimed except for quadrant 2, which had above threshold contamination at a 4 foot depth, and quadrants 3 and 4 which had above threshold contamination at a 6 inch depth. From here it was determined that these 3 quadrants were to be further excavated to meet threshold levels.

After further excavation of these 3 quadrants was completed, composite samples where taken and sent to the laboratory for analysis. Lab Analysis *880-13895* shows the levels of TPH, Chlorides, and BTEX after excavation of the 3 "Hot Spots" was completed.

Table:5 Cheddar Composite Final Samples					
(quadrants 2-4) 4/19/2022					
Sample	Sample	Sample	TPH	Chloride	BTEX
ID	Coordinates	Depth	Level	Level	Level
Quadrant					
#					
2	32.446425,	6″	<50	85.4	<.002
	- 103.687265				
2	32.446425,	4ft	<50	240	<.002
	- 103.687265				
3	32.446510,	6″	<50	72.3	<.002
	- 103.687260				
3	32.446510,	4ft	<50	232	<.002
	- 103.687260				
4	32.446710,	6″	<50	149	<.002
	- 103.687280				
4	32.446599,	4ft	<50	<5	<.002
	- 103.687260				

Table 5 below shows the results from this lab analysis.

From this soil analysis, it was determined that all quadrants of the location Cheddar RP had been reclaimed and final closing report was done.

Soil Reclamation Process of Cheddar RP SWD

Image of location Cheddar RP SWD prior to the removal of chloride and TPH contaminated soil is shown below (**Figure 3**). After *One-Call* was completed (*ticket 21SE070744 for WBO*) along with preliminary soil analysis (Analysis ID: 880-5912), soil reclamation process began on Friday October 01, 2021. This was done by removing the top layer (6in) of visibly contaminated areas of the location and soil was disposed of. Second, areas where *in-situ* chloride and TPH analysis showed contamination at 4ft depth, where 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/ THP, or *Hot-Spots*, were further dug and soil was removed. To conclude, final soil samples were taken to ensure acceptable levels of chlorides (>600ppm) and acceptable TPH levels (>100ppm). **Figures 4-17** (pgs.18-32) below show a summary of the steps taken in the soil reclamation process of the location.



Figure 3: Areal Image of Cheddar RP SWD Showing the Location Before Soil Reclamation.



Figure 4: Removal of Top Layer of Contaminated Soil Near Pipes of Location Cheddar RP SWD

Figure 4, Removal of Top Layer of Contaminated Soil Near Pipes of Location Cheddar RP SWD, above shows how some of the top layer of contaminated soil was removed from hard-to-reach areas. Here soil was removed using hand tools and was taken out for disposal. Image taken here is of the northeast side of the location (area #18).



Figure 5: Removal of Top Layer of Contaminated Soil Using Hydro-Vac

Figure 5, Removal of Top Layer of Contaminated Soil Using Hydro-Vac, above shows how some of the top layer of contaminated soil was removed from hard-to-reach areas. Here soil was removed using a Hydro-Vac and soil was then taken out to disposal. Image taken here is the southwest side of the location (area #2).



Figure 6: Removal of Top Layer of Contaminated Soil Using Backhoe

Figure 6, Removal of Top Layer of Contaminated Soil Using Backhoe, above shows how some of the top layer of contaminated soil was removed from the location. Here soil was removed using a backhoe and soil was then taken out to disposal. Image taken here is the north side of the location (areas #10-13).



Figure 7: Removal of Top Layer of Contaminated Soil Using Backhoe and belly-dump trucks

Figure 7, Removal of Top Layer of Contaminated Soil Using Backhoe and belly-dump trucks, above shows how some of the top layer of contaminated soil was removed from the location. Here soil was removed using a backhoe and soil was then taken out to disposal using belly-dump trucks. Image taken here is the center of the location (area #9).



Figure 8: Matrix Created for Final Composite Samples

Figure 8, Matrix Created for Final Composite Samples, above shows the process of soil sampling done on the location for final composite soil analysis. Samples where later taken to *Xenxo Laboratories* for analysis on Chlorides, TPH, BTEX, and Benzene.



Figure 9: Image of daylighting done on quadrants 2-4 for additional excavation required

Figure 9, Image of daylighting done on quadrants 2-4 for additional excavation required, above shows the daylighting of electrical wires done on quadrants 2-4 after composite sampling of this area showed above threshold contamination in these quadrants.



Figure 10: Image of excavation done on quadrants 2-4

Figure 10, Image of excavation done on quadrants 2-4, above shows the excavation done using a skid steer. Soil removed here was taken to disposal.



Figure 11: Supplemental image of Excavation done on quadrants 2-4

Figure 11, Supplemental image of Excavation done on quadrants 2-4, above shows the excavation done on certain areas in these quadrants that was excavated using hand tools.



Figure 12: Rolling of Clean Soil Brought in for Replacement

Figure 12, Rolling of Clean Soil Brought in for Replacement, above shows the final procedures taken on the reclamation process for the Cheddar RP SWD.



Figure 13: Image of North of Location After Reclamation

Figure 13, Image of North of Location After Reclamation, above shows the condition of the north side of the Cheddar RP SWD location after the completion of the reclamation project.



Figure 14: Image of South of Location After Reclamation

Figure 14, Image of South of Location After Reclamation, above shows the condition of the south side of the Cheddar RP SWD location after the completion of the reclamation project.



Figure 15: Image of Southwest of Location After Reclamation

Figure 15, Image of Southwest of Location After Reclamation, above shows the condition of the southwest side of the Cheddar RP SWD location after the completion of the reclamation project.



Figure 16: Supplemental Image of North of Location After Reclamation

Figure 16, Supplemental Image of North of Location After Reclamation, above is an additional image showing the condition of the north side of the Cheddar RP SWD location after the completion of the reclamation project.



Figure 17: Image of quadrants 2-4 after reclamation

Figure 17, Image of quadrants 2-4 after reclamation, above shows the condition of the south side of the Cheddar RP SWD location (quadrants 2-4) after the completion of the reclamation project.

Final Soil Samples and Closure

Composite samples taken on 2/01/2022 showed all quadrants to be reclaimed except for quadrants 2-4. These where then further excavated to meet threshold contamination levels. After excavation of these quadrants was completed, composite soil samples of these 3 quadrants were taken to the lab for analysis. Results showed these quadrants to be reclaimed to the thresholds of Table I of 19.15.29.12 NMAC. *Table 6* below summarizes the sample results of all quadrants after reclamation completion.
Received by OCD: 4/26/2022 1:39:27 PM 10912); 4/19/2022 Samples 2-4 (Analysis 880-13895)

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	10312/, 4/13/2022	Sumples Z-4 (A	11419313 000-130	, <u>, , , , , , , , , , , , , , , , , , </u>	
Sample ID Quadrant #	Sample Coordinates	Sample Depth	Total BTEX Level	TPH Level	Chloride Level
1	32.446331, -103.687277	6in	<.002	<50	9.14
1	32.446331, -103.687277	4ft	<.002	<50	<5
2	32.446425, -103.687265	6in	<.002	<50	85.4
2	32.446425, -103.687265	4ft	<.002	<50	240
3	32.446510, -103.687260	6in	<.002	<50	72.3
3	32.446510, -103.687260	4ft	<.002	<50	232
4	32.446599, -103.687260	6in	<.002	<50	149
4	32.446599, -103.687260	4ft	<.002	<50	<5
5	32.446420, -103.687110	6in	<.002	<50	600
5	32.446420, -103.687110	4ft	<.002	<50	163
6	32.446300, -103.687050	6in	<.002	<50	265
6	32.446300, -103.687050	4ft	<.002	<50	154
7	32.446435, -103.687050	6in	<.002	<50	114
7	32.446435, -103.687050	4ft	<.002	<50	323
8	32.446550, -103.687099	6in	<.002	<50	177
8	32.446550, -103.687099	4ft	<.002	<50	229
9	32.446600, -103.687001	6in	<.002	<50	77.3
9	32.446600, -103.687001	4ft	<.002	<50	267
10	32.446800, -103.687100	6in	<.002	<50	192
10	32.446800, -103.687100	4ft	<.002	<50	184
11	32.446766, -103.687250	6in	<.002	<50	37.2
11	32.446766, -103.687250	4ft	<.002	<50	290
12	32.446910, -103.687158	6in	<.002	<50	11.4
12	32.446910, -103.687158	4ft	<.002	<50	6.94
13	32.446910, -103.687250	6in	<.002	<50	<5.03
13	32.446910, -103.687250	4ft	<.002	<50	5.43
14	32.446910, -103.687350	6in	<.002	<50	6.60
14	32.446910, -103.687350	4ft	<.002	<50	26.7
15	32.446910, -103.687510	6in	<.002	<50	12.4
15	32.446910, -103.687510	4ft	<.002	<50	8.25
16	32.446710, -103.687280	6in	<.002	<50	634

16	32.446710,	-103.687280	4ft	<.002	<50	29.1
17	32.446980,	-103.686850	6in	<.002	<50	6.61
17	32.446980,	-103.686850	4ft	<.002	<50	<5
18	32.446901,	-103.686910	6in	<.002	<50	69.3
18	32.446901,	-103.686910	4ft	<.002	<50	66.4

Appendix A: Certificates of Analysis

lient: Environmental Oilfield So	lutione LLC	Client	Sample Re	sults			lob ID: 880	5012-1
roject/Site: Cheddar SWD Preli	minary						SDG: New	Mexico
lient Sample ID: 1 Surface	ce Sample					Lab Samp	le ID: 880-5	912-1
ate Received: 09/08/21 14:26 ample Depth: 0" - 6"							Matrix	. 30110
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1
C10-C28) Oli Bassa Organisa (Over C28 C26)	-10.0		40.0	malka		00/40/24 00:44	00/10/01 10:00	
Total TPH	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	·····
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			09/10/21 09:14	09/10/21 12:33	1
o-Terphenyl	120		70 - 130			09/10/21 09:14	09/10/21 12:33	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	uble		_	D	A	
Analyte	Result	qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Chloride	40.2		4.95	mg/Kg			09/11/21 21:12	1
lient Sample ID: 2 Surfa	ce Sample					Lab Samp	le ID: 880-5	912-2
Date Received: 09/08/21 14:26								
Method: 2015B NM - Diesel P	ango Organi		(60)					
ample Deptn: 0" - 6" Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)	lleit		Prepared	Analyzed	Dil Fac
Ample Depth: 0" - 6" Method: 8015B NM - Diesel R Analyte Gasoline Range Organics	ange Organi Result <249	ics (DRO) Qualifier U	(GC) <u>RL</u> 249	Unit mg/Kg	_ ₽	Prepared 09/10/21 09:14	Analyzed 09/10/21 13:37	Dil Fac
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ange Organi Result <249 37000	ics (DRO) Qualifier U	(GC) <u>RL</u> 249 249	Unit mg/Kg mg/Kg	_ ₽	Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37	Dil Fac 5
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	ange Organi <u>Result</u> <249 37000 7140	<mark>Qualifier</mark> U	(GC) <u>RL</u> 249 249 249 249	Unit mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ange Organi Result <249 37000 7140 44100	ics (DRO) Qualifier U	(GC) <u>RL</u> 249 249 249 249	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	ange Organi Result <249 37000 7140 44100 %Recovery	Qualifier	(GC) <u>RL</u> 249 249 249 249 249 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed	Dil Fac 5 5 5 Dil Fac
Ample Deptn: 0" - 6" Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	ange Organi Result <249 37000 7140 44100 <u>%Recovery</u> 100	Qualifier	(GC) <u>RL</u> 249 249 249 249 249 <u>Limits</u> 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37	Dil Fac 5 5 5 5 5 5 5 0 <i>Dil Fac</i> 5
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	ange Organi Result <249 37000 7140 44100 <u>%Recovery</u> 100 739	Qualifier U Qualifier S1+	(GC) <u>RL</u> 249 249 249 249 <u>Limits</u> 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5 5 5 <i>Dil Fac</i> 5 5
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C	ange Organi Result <249 37000 7140 44100 <u>%Recovery</u> 100 739 Chromatogra	Qualifier U Qualifier U Qualifier S1+	(GC) <u>RL</u> 249 249 249 249 <u>Limits</u> 70-130 70-130 uble	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5 <i>Dil Fac</i> 5 5
Ample Deptn: 0" - 6" Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte	ange Organi Result <249 37000 7140 44100 %Recovery 100 739 Chromatogra Result	Qualifier U Qualifier S1+ Qualifier Qualifier	(GC) <u>RL</u> 249 249 249 <u>249</u> <u>Limits</u> 70 - 130 70 - 130 uble <u>RL</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14 9/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5 0il Fac 5 Dil Fac
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride	ange Organi Result <249 37000 7140 44100 <u>%Recovery</u> 100 739 Chromatogra Result 6090	Qualifier U Qualifier S1+ Qualifier Qualifier	(GC) <u>RL</u> 249 249 249 249 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Uble <u>RL</u> 50.4	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37	Dil Fac 5 5 5 0il Fac 10
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: 3 Surfac Date Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Sample Depth: 0" - 6"	ange Organi Result <249 37000 7140 44100 %Recovery 100 739 Chromatogra Result 6090 Ce Sample	Qualifier U Qualifier S1+ phy - Solu Qualifier	(GC) <u>RL</u> 249 249 249 <u>249</u> <u>249</u> <u>49</u> <u>249</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>	Unit mg/Kg mg/Kg mg/Kg <u>mg/Kg</u>	D	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared Lab Samp	Analyzed 09/10/21 13:37 09/10/21 13:37 09/11/21 13:37 09/11/21 13:37	Dil Fac 5 5 5 0il Fac 5 5 0il Fac 10 912-3 : Solid
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chiorocctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chioride Client Sample ID: 3 Surfac Date Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R Analyte	ange Organi Result <249 37000 7140 44100 %Recovery 100 739 Chromatogra Result 6090 Ce Sample ange Organi Result	Qualifier U Qualifier S1+ phy - Solu Qualifier	(GC) <u>RL</u> 249 249 249 <u>Limits</u> 70 - 130 70 - 130 uble <u>RL</u> 50.4 (GC) <u>RL</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit Unit	_ P _ P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared Lab Samp	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 <i>Analyzed</i> 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Malyzed 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/11/21 21:29 Ie ID: 880-5 Matrix	Dil Fac 5 5 5 5 0il Fac 5 5 0il Fac 10 912-3 : Solid Dil Fac
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride Dient Sample ID: 3 Surfac ate Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Cample Depth: 0" - 6" Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10	ange Organi Result <249 37000 7140 44100 %Recovery 100 739 Chromatogra Result 6090 Ce Sample ange Organi Result www.selfattion.com"/>www.selfattion.com	CS (DRO) Qualifier U Qualifier S1+ Qualifier Qualifier U CS (DRO) Qualifier U	(GC) <u>RL</u> 249 249 249 <u>249</u> <u>249</u> <u>100</u> 70 - 130 70 - 130 70 - 130 249 <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>10</u>	Unit mg/Kg mg/Kg mg/Kg Mg/Kg Unit mg/Kg	_ P _ P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Lab Samp Prepared 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/11/21 21:29 Ie ID: 880-5 Matrix 09/10/21 13:58	Dil Fac 5 5 5 5 5 0il Fac 5 5 0il Fac 10 9912-3 : Solid Dil Fac 1
Ample Deptn: 0" - 6" Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride C	ange Organi Result <249 37000 7140 44100 <u>%Recovery</u> 100 739 Chromatogra Result 6090 Ce Sample ange Organi Result <49.9 4480	ics (DRO) Qualifier U Qualifier S1+ phy - Solu Qualifier ics (DRO) Qualifier U	(GC) <u>RL</u> 249 249 249 <u>249</u> <u>249</u> <u>100</u> <u>70 - 130</u> 70 - 130 101 <u>70 - 130</u> <u>70 - 130</u> <u>49 - 100</u> <u>80 - 100 <u>80 - 100</u> <u>80 - 100</u> <u></u></u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14 Prepared Lab Samp Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/11/21 21:29 10 ID: 880-5 Matrix Analyzed 09/10/21 13:58 09/10/21 13:58	Dil Fac 5 5 5 5 0il Fac 5 5 0il Fac 10 912-3 : Solid 0 912-3 1 1
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride Dient Sample ID: 3 Surfac late Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Chloride Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C19-C28) Oil Range Organics (Over C19-C28) Oil Range Organics (Over C19-C28)	ange Organi Result <249 37000 7140 44100 %Recovery 100 739 Chromatogra Result 6090 Ce Sample ange Organi Result <49.9 4480 952	ics (DRO) Qualifier U Qualifier S1+ phy - Solu Qualifier ics (DRO) Qualifier U	(GC) RL 249 249 249 249	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Lab Samp Compared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 09/10/21 13:37 Analyzed 09/10/21 13:37 Analyzed 09/10/21 13:37 Ie ID: 880-5 Matrix 09/10/21 13:58 09/10/21 13:58	Dil Fac 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

Eurofins Xenco, Midland

Night Environmental Olificial Or	alutions 11.0	Client	Sample Re	sults			Job ID: 000	5010.4
roject/Site: Cheddar SWD Prei	liminary						SDG: New	Mexico
lient Sample ID: 3 Surfa ate Collected: 09/07/21 13:00	ace Sample)				Lab Samp	le ID: 880-5 Matrix	912-3
ate Received: 09/08/21 14:26 ample Depth: 0" - 6"								
Curro noto	N/Becovery	Qualifier	l imite			Browned	Analyzed	D# Ess
1-Chlorooctane		Quaimer	70-130			09/10/21 09:14	09/10/21 13:58	DirPac
o-Terphenyl	101		70 - 130			09/10/21 09:14	09/10/21 13:58	1
Method: 300.0 - Anions, Ion (Chromatogra	phy - Solu	ıble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4610		24.9	mg/Kg			09/11/21 21:34	5
lient Sample ID: 4 Surfa	ace Sample)				Lab Samp	le ID: 880-5	912-4
ate Collected: 09/07/21 13:00) .						Matrix	: Solid
ate Received: 09/08/21 14:26	5							
ample Depth: 0" - 6"								
Method: 8015B NM - Diesel F	Range Organ	ics (DRO)	(GC)		_			
Analyte	Result	Qualifier	RL	Unit	_ 0	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		09/10/21 09:14	09/10/21 14:20	1
Diesel Range Organics (Over C10-C28)	110		49.7	mg/Kg		09/10/21 09:14	09/10/21 14:20	1
Oll Range Organics (Over C28-C36)	93.0		49.7	mg/Kg		09/10/21 09:14	09/10/21 14:20	1
Total TPH	203		49.7	mg/Kg		09/10/21 09:14	09/10/21 14:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			09/10/21 09:14	09/10/21 14:20	1
o-Terphenyl	105		70 - 130			09/10/21 09:14	09/10/21 14:20	1
Method: 300.0 - Anions, Ion (Chromatogra	phy - Solu	ıble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.1		4.99	mg/Kg			09/11/21 21:40	1
Client Sample ID: 5 Surfa	ice Sample)				Lab Samp	le ID: 880-5 Matrix	912-5 : Solid
Sample Depth: 0" - 6"								
Method: 8015B NM - Diesel R Analyte	Range Organ	ics (DRO)	(GC)	Unit		Prepared	Analyzed	Dil Esc
Gasoline Range Organics	<249	U	249	mg/Kg	_ 2	09/10/21 09:14	09/10/21 14:41	5
(GRO)-C6-C10		~						
Diesel Range Organics (Over C10-C28)	11400		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
Oll Range Organics (Over	1970		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
C28-C36)	13400		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
Total TPH								
C28-C36) Total TPH Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Total TPH Surrogate 1-Chlorooctane	%Recovery 105	Qualifier	Limits 70 - 130			Prepared 09/10/21 09:14	Analyzed 09/10/21 14:41	Dil Fac 5
C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 105 109	Qualifier	Limits 70 - 130 70 - 130			Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 14:41 09/10/21 14:41	Dil Fac 5 5
C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion (%Recovery 105 109 Chromatogra	Qualifier	Limits 70 - 130 70 - 130			Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 14:41 09/10/21 14:41	Dil Fac 5 5
C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion (Analyte	%Recovery 105 109 Chromatogra Result	Qualifier	Limits 70 - 130 70 - 130 Ible RL	Unit	D	Prepared 09/10/21 09:14 09/10/21 09:14 Prepared	Analyzed 09/10/21 14:41 09/10/21 14:41 Analyzed	Dil Fac

		Client		Suits					
lient: Environmental Oilfield Sol roject/Site: Cheddar SWD Preli	lutions, LLC minary						Job ID: 880- SDG: New	5912-1 Mexico	
lient Sample ID: 6 Surfat ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:26 ample Depth: 0" - 6"	ce Sample	•				Lab Samp	le ID: 880-5 Matrix	912-6 :: Solid	
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Sasoline Range Organics GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 15:02	1	
Diesel Range Organics (Over C10-C28)	1590		50.0	mg/Kg		09/10/21 09:14	09/10/21 15:02	1	
Oll Range Organics (Over C28-C36)	419		50.0	mg/Kg		09/10/21 09:14	09/10/21 15:02	1	
otal TPH	2010		50.0	mg/Kg		09/10/21 09:14	09/10/21 15:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
-Chlorooctane	107		70 - 130			09/10/21 09:14	09/10/21 15:02	1	
-Terphenyl	101		70_130			09/10/21 09:14	09/10/21 15:02	1	
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	uble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2070		24.9	mg/Kg			09/11/21 22:02	5	
ate Received: 09/08/21 14:26 ample Depth: 0" - 6"									
ate Received: 09/08/21 14:26 ample Depth: 0" - 6" Method: 8015B NM - Diesel R Analyte	ange Organi Result	ics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac	
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ample Depth: 0">Method: 8015B NM - Diesel R Analyte Sasoline Range Organics GRO)-C5-C10 Diesel Range Organics (Over 228-C36) Total TPH Surrogate -Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion C Analyte Chloride Lient Sample ID: 8 Surfat ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:26 ample Depth: 0" - 6" Method: 8015B NM - Diesel R Analyte Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over 228-C36) Dil Range Organics (Over 210-C28) Dil Range Organics (Over 210-C28) Dil Range Organics (Over 228-C36)	ange Organi Result <250 17800 2940 20700 <u>%Recovery</u> 107 113 chromatogra Result 5150 ce Sample ange Organi Result <49.8 185 75.1	ics (DRO) Qualifier U Qualifier phy - Solu Qualifier ics (DRO) Qualifier U	(GC) <u>RL</u> 250 250 250 <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>250</u> <u>70 - 130</u> <u>24.8</u> <u>24.8</u> <u>49.8</u> <u>49.8</u> <u>49.8</u> <u>49.8</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg mg/Kg mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 15:24 09/10/21 15:24 09/10/21 15:24 09/10/21 15:24 Analyzed 09/10/21 15:24 Analyzed 09/10/21 15:28 Ie ID: 880-5 Matrix Analyzed 09/10/21 15:58 09/10/21 15:58	Dil Fac 5 5 5 5 5 5 5 5 5 5 912-8 5 5 912-8 2 5 5 912-8 1 1 1

alutions 11.0	Client	Sample Re	sults			lab 10: 000	5040.4
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%Recovery	Qualifier	Z0 130			00/10/21 00:14	Analyzed	Dil Fac
116		70 - 130			09/10/21 09:14	09/10/21 15:58	1
Chromatogra	phy - Solu	uble					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
49.0		4.96	mg/Kg			09/11/21 22:14	1
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231		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
57.7		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
289		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
111		70 - 130			09/10/21 09:14	09/10/21 16:33	1
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51.8 51.8 51.8 51.8 51.8 118 118 124 Chromatogra	Qualifier	50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 Ible	mg/Kg mg/Kg		09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14	09/10/21 17:09 09/10/21 17:09 Analyzed 09/10/21 17:09 09/10/21 17:09	1 1 Dil Fac 1 1
51.8 51.8 <u>%Recovery</u> 118 124 Chromatogra Result	Qualifier phy - Solu Qualifier	50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 Ible RL	mg/Kg mg/Kg Unit	D	09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14	09/10/21 17:09 09/10/21 17:09 Analyzed 09/10/21 17:09 09/10/21 17:09 Analyzed	1 Dil Fac 1 1 Dil Fac
	blutions, LLC liminary Ace Sample	Client olutions, LLC liminary ace Sample <u>%Recovery</u> Qualifier 115 116 Chromatography - Solu Result Qualifier 49.0 ace Sample 3 Range Organics (DRO) <u>Result</u> Qualifier 111 57.7 289 <u>%Recovery</u> Qualifier 111 115 Chromatography - Solu Result Qualifier 5390 face Sample S Range Organics (DRO) Result Qualifier 5390 face Sample S	Client Sample Re olutions, LLC liminary ace Sample - <u>%Recovery</u> <u>Qualifier</u> <u>Limits</u> 70-130 Chromatography - Soluble <u>Result</u> <u>Qualifier</u> <u>RL</u> 49.0 4.96 ace Sample 3 Range Organics (DRO) (GC) <u>Result</u> <u>Qualifier</u> <u>RL</u> <49.8 U 49.8 231 49.8 231 49.8 231 49.8 231 49.8 231 49.8 231 49.8 239 49.8 289 49.8 <u>289 49.8</u> <u>289 49.8</u> <u>289 49.8</u> <u>289 49.8</u> <u>289 49.8</u> <u>289 49.8</u> <u>57.7 49.8</u> <u>289 49.8</u> <u>57.7 10.130</u> Chromatography - Soluble <u>Result</u> <u>Qualifier</u> <u>RL</u> <u>5390 50.5</u> face Sample 0 5 Range Organics (DRO) (GC) <u>Result</u> <u>Qualifier</u> <u>RL</u> <u>5300 50.5</u> Chromatography - Soluble	Client Sample Results blutions, LLC iminary ace Sample 115 Limits 116 70-130 Chromatography - Soluble Result Qualifier RL Unit 49.0 4.96 mg/Kg ace Sample Chromatography - Soluble Unit Result Qualifier RL Unit 49.0 4.96 mg/Kg ace Sample O Soluble Range Organics (DRO) (GC) Mit mg/Kg 231 49.8 mg/Kg 57.7 49.8 mg/Kg 57.7 49.8 mg/Kg 289 49.8 mg/Kg 289 49.8 mg/Kg 70-130 115 70-130 Chromatography - Soluble Limits Unit Result Qualifier RL Unit 5390 50.5 mg/Kg 6 Gate Sample 0 6 Gate Sample 0 7 50.0 Unit	Client Sample Results Jutions, LLC liminary ince Sample Ce Sample 115 Limits 70-130 Chromatography - Soluble Result Qualifier RL Unit D 49.0 4.96 mg/Kg D Acce Sample Sange Organics (DRO) (GC) Result Qualifier RL Unit D 49.8 mg/Kg D 231 49.8 mg/Kg D 289 49.8 mg/Kg 289 49.8 mg/Kg 289 49.8 mg/Kg 289 49.8 mg/Kg 289 49.8 0 Chromatography - Soluble Result Qualifier RL Unit D 5390 50.5 mg/Kg D 50.0 Unit D <	Client Sample Results butions, LLC liminary Lab Sample Prepared 09/10/21 09:14 Ce Sample Prepared 09/10/21 09:14 - "SRecovery Qualifier Limits 70-130 Prepared 09/10/21 09:14 - Result Qualifier RL 49.0 Unit 09/10/21 09:14 - Result Qualifier RL 49.8 Unit mg/Kg Prepared 09/10/21 09:14 - Result Qualifier RL 49.8 Unit mg/Kg Prepared 09/10/21 09:14 - 20 Prepared 09/10/21 09:14	Client Sample Results Job ID: 880-5 SDG: New Lab Sample ID: 880-5 Matrix Client Sample Lab Sample ID: 880-5 Matrix Option: 10: 10: 10: 10: 10: 10: 10: 10: 10: 10

		Client	Sample Re	sults				
lient: Environmental Oilfield Sol	utions, LLC						Job ID: 880-	-5912-1 Marria
roject/Site: Cheddar SWD Preil	minary						SDG: New	Mexico
lient Sample ID: 11 Surfa	ace Sampl	е			L	ab Sample	e ID: 880-59	912-11
ate Collected: 09/07/21 13:00							Matrix	c: Solid
ate Received: 09/08/21 14:26								
Sample Depth: 0 - 6								
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		09/10/21 09:14	09/10/21 17:51	1
(GRO)-C6-C10 Diesel Range Organics (Over	<40.0		49.9	malKa		09/10/21 09:14	00/10/21 17:51	1
C10-C28)	-40.0		40.0	mgring		05/10/21 05.14	03/10/21 17:31	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/10/21 09:14	09/10/21 17:51	1
Total TPH	<49.9	U	49.9	mg/Kg		09/10/21 09:14	09/10/21 17:51	1
Surrogata	% Pecovery	Qualifier	Limite			Prepared	Analyzed	
1-Chloroctane	110	quantier	70, 130			09/10/21 09:14	09/10/21 17:51	- Dil Pac
o-Terphenyl	127		70-130			09/10/21 09:14	09/10/21 17:51	
	121							
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	uble					
Analyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac
Chloride	16700	F1	99.0	mg/Kg			09/11/21 22:30	20
lient Sample ID: 12 Surf	ace Samp	0			1	ah Sample	ID: 880-59	12-12
Date Received: 09/08/21 14:26 Sample Depth: 0" - 6"								
ate Received: 09/08/21 14:26 ample Depth: 0" - 6"	0		(00)					
ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte	ange Organ	ics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics	ange Organ Result <49.9	ics (DRO) Qualifier	(GC) 	Unit ma/Ka	_ <u>P</u>	Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12	Dil Fac
ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C6-C10	ange Organ Result <49.9	ics (DRO) Qualifier U	(GC) 	Unit mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12	Dil Fac
Ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel Ranalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ange Organ Result <49.9 <49.9	<mark>Qualifier</mark> U	(GC) <u>RL</u> 49.9	Unit mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12	Dil Fac 1
Atte Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) UII Dese Organics (Over C10-C28)	ange Organ Result <49.9 <49.9	ics (DRO) Qualifier U	(GC) <u>RL</u> 49.9 49.9	Unit mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12	Dil Fac 1
ate Received: 09/08/21 14:26 sample Depth: 0" - 6" Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TBH	ange Organ Result <49.9 <49.9 <49.9	ics (DRO) Qualifier U U	(GC) <u>RL</u> 49.9 49.9 49.9	Unit mg/Kg mg/Kg mg/Kg	_ <u>D</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12	Dil Fac 1 1
Atte Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ange Organ Result <49.9 <49.9 <49.9 <49.9	ics (DRO) Qualifier U U U	(GC) <u>RL</u> 49.9 49.9 49.9 49.9	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12	Dil Fac 1 1 1
Ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	ange Organ Result <49.9 <49.9 <49.9 <49.9 %Recovery	U Qualifier U U Qualifier	(GC) <u>RL</u> 49.9 49.9 49.9 49.9 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 Analyzed	Dil Fac 1 1 1 1 Dil Fac
ate Received: 09/08/21 14:26 sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	ange Organ Result <49.9 <49.9 <49.9 <49.9 %Recovery 107	ics (DRO) Qualifier U U U U Qualifier	(GC) <u>RL</u> 49.9 49.9 49.9 <u>49.9</u> <u>Limits</u> 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 Analyzed 09/10/21 18:12	Dil Fac 1 1 1 1 <i>Dil Fac</i> <i>1</i>
ate Received: 09/08/21 14:26 sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	ange Organ Result <49.9 <49.9 <49.9 <49.9 %Recovery 107 112	ics (DRO) Qualifier U U U Qualifier	(GC) <u>RL</u> 49.9 49.9 49.9 <u>49.9</u> <u>Limits</u> 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 Analyzed 09/10/21 18:12 09/10/21 18:12	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ate Received: 09/08/21 14:26 Sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	ange Organ Result <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery 107 112	ics (DRO) Qualifier U U U Qualifier	(GC) <u>RL</u> 49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> <u>100</u> 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 Analyzed 09/10/21 18:12 09/10/21 18:12	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 7
ate Received: 09/08/21 14:26 sample Depth: 0" - 6" Method: 8015B NM - Diesel R: Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion C	ange Organ Result <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery 107 112 chromatogra	ics (DRO) Qualifier U U Qualifier	(GC) <u>RL</u> 49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>49.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u> <u>40.9</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 09/10/21 18:12 Analyzed 09/10/21 18:12 09/10/21 18:12	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 7
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Eurofins Xenco, Midland

		Clien	t Sample Re	sults					1
Client: Environmental Oilfield Sol Project/Site: Cheddar SWD Preli	lutions, LLC minary						Job ID: 880- SDG: New	-5912-1 Mexico	
Client Sample ID: 13 Surfa	ace Samp	le			L	ab Sample	e ID: 880-59	12-13	
Date Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Sample Depth: 0" - 6"							Matrix	c: Solid	
Sample Deptil. V - V									
Surrogate 1-Chlorooctane	%Recovery 133	Qualifier S1+	Limits 70 - 130			Prepared 09/10/21 09:14	Analyzed 09/10/21 18:34	Dil Fac 5	5
o-Terphenyl	153	S1+	70_130			09/10/21 09:14	09/10/21 18:34	5	
Method: 300.0 - Anions, Ion C	hromatogra	phy - Sol	uble						
Analyte Chloride	Result 17900	Qualifier		Unit mg/Kg	_ D	Prepared	Analyzed 09/11/21 22:53	Dil Fac 50	
Client Sample ID: 14 Surf:	aco Samo	10				ah Samol	D: 990 50	12.14	-
Date Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26	ace Samp	le				ab Sample	Matrix	: Solid	9
Sample Depth: 0" - 6"									
Method: 8015B NM - Diesel Ra Analyte	ange Organ Result	ics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<498	U	498	mg/Kg		09/10/21 09:14	09/10/21 18:55	10	
Diesel Range Organics (Over C10-C28)	41100		498	mg/Kg		09/10/21 09:14	09/10/21 18:55	10	13
Oll Range Organics (Over C28-C36)	9920		498	mg/Kg		09/10/21 09:14	09/10/21 18:55	10	14
Total TPH	51000		498	mg/Kg		09/10/21 09:14	09/10/21 18:55	10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	87		70 - 130			09/10/21 09:14	09/10/21 18:55	10	
o-Terphenyl	122		70 - 130			09/10/21 09:14	09/10/21 18:55	10	
Method: 300.0 - Anions, Ion C	hromatogra	phy - Sol	uble		_				
Analyte	Result	Qualifier	RL	Unit	_ P	Prepared	Analyzed	Dil Fac	
Chlonde	18400		249	mg/Kg			09/11/21 23:10	50	
Client Sample ID: 15 Surfa	ace Samp	le			L	ab Sample	e ID: 880-59	12-15	
Date Collected: 09/07/21 13:00 Date Received: 09/08/21 14:26 Sample Depth: 0" - 6"							Matrix	: Solid	
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)		_				
Gasoline Range Organics	Kesult <50.0	U	50.0 KL	mg/Kg	_ <u>P</u>	09/10/21 09:14	09/10/21 19:17	Dil Fac	
(GRO)-C6-C10			50.0	malka		00/10/21 00:14	00/10/21 10:17		
C10-C28)	346		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:17	1	
C28-C36)			50.0	malka		00/10/21 00:14	00/10/21 10:17		
	456		50.0	mgrAg		00110121109:14	08/10/21 19:17	-	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
o-Ternhenvl	110		70 - 130			09/10/21 09:14	09/10/21 19:17	1	
Method: 300.0 - Anions. Ion C	hromatogra	nhy - Sol	uble			Jan 1072 1 03.14	Jan 0121 13.17	,	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	154		4.99	mg/Kg	_ =		09/11/21 23:15	1	

lient Sample ID: 16 Sur	face Sampl	e Backg	round		L	ab Sample	e ID: 880-59	12-16
te Collected: 09/07/21 13:0	0						Matrix	: Solid
te Received: 09/08/21 14:20	6							
imple Depth: 0" - 6"								
lethod: 8015B NM - Diesel I	Range Organi	ics (DRO) ((GC)					
nalyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac
asoline Range Organics	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
lesel Range Organics (Over 10-C28)	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
Il Range Organics (Over	72.6		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
otal TPH	72.6		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
urroanto	*/ Pecovery	Qualifier	Limite			Propagad	Analyzed	
-Chlorooctane	102	quanter	70 - 130			09/10/21 09:14	09/10/21 19:38	1
-Terphenyl	100		70_130			09/10/21 09:14	09/10/21 19:38	1
table di 000 0 table di	Channel .	-	N 1-					
nethod: 300.0 - Anions, Ion	Chromatogra	Ouslifier	DIE	Unit		Prepared	Analyzed	Dil Esc
bloride	11.9	quaimer	5.00	ma/Ka	_ <u>-</u>	Frepared	09/11/21 23:21	1
			0.00	ing ng			001112120.21	
mple Depth: 4 ft								
imple Depth: 4 ft Method: 8015B NM - Diesel I	Range Organ	ics (DRO) ((GC)	Unit		Pressred	Applyand	Dil Ess
Imple Depth: 4 ft fethod: 8015B NM - Diesel I nalyte iasoline Range Organics	Range Organ Result	ics (DRO) (Qualifier	(GC) 	Unit ma/Ka	_ <u>P</u>	Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59	Dil Fac
Imple Depth: 4 ft Method: 8015B NM - Diesel I Inalyte Jasoline Range Organics GRO)-C6-C10	Range Organ Result 77.6	ics (DRO) (Qualifier	(GC) <u>RL</u> 49.8	Unit mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59	Dil Fac
Imple Depth: 4 ft Method: 8015B NM - Diesel I nalyte Biasoline Range Organics SRO)-C6-C10 Diesel Range Organics (Over :10-C28)	Range Organ Result 77.6 5960	ics (DRO) (Qualifier	(GC) <u>RL</u> 49.8 49.8	Unit mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59	Dil Fac 1
Imple Depth: 4 ft Iethod: 8015B NM - Diesel I nalyte iasoline Range Organics GRO)-C6-C10 biesel Range Organics (Over 110-C28) III Range Organics (Over 28-C36)	Range Organi Result 77.6 5960 966	ics (DRO) (Qualifier	(GC) 49.8 49.8 49.8	Unit mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59	Dil Fac 1 1
Imple Depth: 4 ft Method: 8015B NM - Diesel I nalyte Basoline Range Organics SRO)-C6-C10 Diesel Range Organics (Over 210-C28) DII Range Organics (Over 228-C36) otal TPH	Range Organi Result 77.6 5960 966 7000	ics (DRO) (Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 49.8	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59	Dil Fac 1 1 1
Imple Depth: 4 ft Method: 8015B NM - Diesel I Inalyte iasoline Range Organics GRO)-C6-C10 biesel Range Organics (Over 210-C28) bil Range Organics (Over 228-C36) otal TPH urrogate	Range Organi Result 77.6 5960 966 7000 %Recovery	Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 49.8 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg	_ <u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed	Dil Fac 1 1 1 1 Dil Fac
Imple Depth: 4 ft Nethod: 8015B NM - Diesel I Inalyte Iasoline Range Organics GRO)-C6-C10 Niesel Range Organics (Over 10-C28) NI Range Organics (Over 128-C36) otal TPH Urrogate -Chlorooctane	Range Organi Result 77.6 5960 966 7000 %Recovery 122	Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 <u>49.8</u> <u>Limits</u> 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59	Dil Fac 1 1 1 1 1 <i>Dil Fac</i> 1
ample Depth: 4 ft Method: 8015B NM - Diesel I inalyte iasoline Range Organics GRO)-C6-C10 biesel Range Organics (Over 210-C28) XII Range Organics (Over 228-C36) iotal TPH Surrogate -Chlorooctane -Terphenyl	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107	ics (DRO) (Qualifier Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 <u>49.8</u> <u>Limits</u> 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 <u>Prepared</u> 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59	Dil Fac 1 1 1 1 1 <i>Dil Fac</i> 1 1
Imple Depth: 4 ft Method: 8015B NM - Diesel I Inalyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over (10-C28) Dil Range Organics (Over (28-C36) Otal TPH Method: 300.0 - Anions, Ion	Range Organi Result 77.6 5960 966 7000 <u>%Recovery</u> 122 107 Chromatogra	ics (DRO) (Qualifier Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>1000</u> 70 - 130 70 - 130 ble	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59	Dil Fac 1 1 1 1 1 1 <i>Dil Fac</i> 1 1
Imple Depth: 4 ft Method: 8015B NM - Diesel I Inalyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over (10-C28) Dil Range Organics (Over (28-C36) Otal TPH Method: 300.0 - Anions, Ion Inalyte	Range Organi Result 77.6 5960 966 7000 <u>%Recovery</u> 122 107 Chromatogra Result	Qualifier Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>1000</u> 70 - 130 70 - 130 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59	Dil Fac 1 1 1 1 1 <i>Dil Fac</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i>
mple Depth: 4 ft lethod: 8015B NM - Diesel I nalyte asoline Range Organics SRO)-C6-C10 lesel Range Organics (Over 10-C28) II Range Organics (Over 28-C36) otal TPH urrogate Chlorooctane Terphenyl lethod: 300.0 - Anions, Ion nalyte hloride	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710	Qualifier Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>1000</u> 70 - 130 70 - 130 ble <u>RL</u> 24.9	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	<u>P</u>	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 <u>Analyzed</u> 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/11/21 23:27	Dil Fac 1 1 1 1 1 <i>Dil Fac</i> 5
mple Depth: 4 ft lethod: 8015B NM - Diesel I nalyte asoline Range Organics SRO)-C6-C10 lesel Range Organics (Over 10-C28) II Range Organics (Over 28-C36) otal TPH urrogate Chlorooctane -Terphenyl lethod: 300.0 - Anions, Ion nalyte hloride ient Sample ID: 13P4 4	Range Organi Result 77.6 5960 966 7000 <u>%Recovery</u> 122 107 Chromatogra <u>Result</u> 1710 ft	ics (DRO) (Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>1000000000000000000000000000000000000</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 Analyzed 09/10/21 19:59 Analyzed 09/11/21 23:27 Control 10 10 10 10 10 10 10 10 10 10 10 10 10	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Imple Depth: 4 ft Iethod: 8015B NM - Diesel I nalyte iasoline Range Organics SRO)-C6-C10 liesel Range Organics (Over :10-C28) NI Range Organics (Over :28-C36) otal TPH urrogate -Chlorooctane -Terphenyl Iethod: 300.0 - Anions, Ion nalyte hloride ient Sample ID: 13P4 4 te Collected: 09/07/21 13:01	Range Organi Result 77.6 5960 966 7000 <u>%Recovery</u> 122 107 Chromatogra Result 1710 I ft	Qualifier Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>100</u> 70-130 70-130 70-130 ble <u>RL</u> 24.9	Unit mg/Kg mg/Kg mg/Kg mg/Kg	P P L	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared Ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Control 10:59 09/10/21 19:59 09/10/21 19:59 Control 10:59 Control 10:	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Imple Depth: 4 ft Iethod: 8015B NM - Diesel I nalyte iasoline Range Organics SRO)-C6-C10 liesel Range Organics (Over :10-C28) NI Range Organics (Over :28-C36) otal TPH urrogate -Chlorooctane -Terphenyl Iethod: 300.0 - Anions, Ion nalyte hloride ient Sample ID: 13P4 4 the Collected: 09/07/21 13:00 the Received: 09/08/21 14:20	Range Organi Result 77.6 5960 966 7000 <u>%Recovery</u> 122 107 Chromatogra Result 1710 I ft 0 5	Qualifier Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>100</u> 70-130 70-130 70-130 Dle <u>RL</u> 24.9	Unit mg/Kg mg/Kg mg/Kg Unit mg/Kg	P P L	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Control 19:59 09/10/21 19:59 09/10/21 19:59 Control 19:59 Contro	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Imple Depth: 4 ft Method: 8015B NM - Diesel I inalyte iasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over :10-C28) DI Range Organics (Over :228-C36) iotal TPH Method: 300.0 - Anions, Ion inalyte :hloride ient Sample ID: 13P4 4 ite Collected: 09/07/21 13:00 ite Received: 09/08/21 14:20 imple Depth: 4 ft	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 Ift 0 5	ics (DRO) (Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>70 - 130</u> 70 - 130 ble <u>RL</u> 24.9	Unit mg/Kg mg/Kg mg/Kg mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Complete State	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Ample Depth: 4 ft Method: 8015B NM - Diesel I malyte GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over 228-C36) Total TPH Surrogate -Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion malyte Chloride Difference in the surgestion of the surgestion Method: 300.0 - Anions, Ion malyte Chloride Difference in the surgestion Method: 300.0 - Anions, Ion malyte Chloride Difference in the surgestion Method: 300.0 - Anions, Ion Method: 300.0 - Anions, Ion Method: 300.0 - Anions, Ion Method: 3015B NM - Diesel I	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 Ift 0 5	Qualifier Qualifier phy - Solu Qualifier	(GC) <u>RL</u> 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>70 - 130</u> 70 - 130 ble <u>RL</u> <u>24.9</u>	Unit mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg	P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared Prepared	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/11/21 23:27 E ID: 880-59 Matrix	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Ample Depth: 4 ft Method: 8015B NM - Diesel I analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over 200-C28) Dil Range Organics (Over 228-C36) Total TPH Surrogate -Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion analyte Chloride Diesel ID: 13P4 4 ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:20 ample Depth: 4 ft Method: 8015B NM - Diesel I analyte	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 ft 0 6 Range Organi Result	ics (DRO) (Qualifier Qualifier phy - Solu Qualifier	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>70 - 130</u> 70 - 130 ble <u>RL</u> (GC) RL	Unit mg/Kg mg/Kg mg/Kg Unit mg/Kg	P D L	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/11/21 23:27 E ID: 880-59 Matrix Analyzed	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
ample Depth: 4 ft Method: 8015B NM - Diesel I malyte Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over 210-C28) Dil Range Organics (Over 228-C36) Total TPH Surrogate -Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion malyte Chloride lient Sample ID: 13P4 4 ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:20 ample Depth: 4 ft Method: 8015B NM - Diesel I malyte Sasoline Range Organics	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 ft 0 5 Range Organi	ics (DRO) (Qualifier Qualifier phy - Solu Qualifier ics (DRO) (Qualifier U	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>1000000000000000000000000000000000000</u>	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	P P L	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared ab Sample	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Control	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
ample Depth: 4 ft Method: 8015B NM - Diesel I inalyte GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over 228-C36) fotal TPH Surrogate -Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion inalyte Chloride Lient Sample ID: 13P4 4 ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:20 ample Depth: 4 ft Method: 8015B NM - Diesel I inalyte Sasoline Range Organics GRO)-C8-C10 Diesel Range Organics (Over 20.0000	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 Ift 0 5 Range Organi Result <49.7	Qualifier Qualifier phy - Solu Qualifier ics (DRO) (Qualifier U	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>70 - 130</u> 70 - 130 ble <u>RL</u> 24.9 (GC) <u>RL</u> 49.7 49.7	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg mg/Kg	P P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared ab Sample Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 Analyzed 09/11/21 23:27 Control Control	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
ample Depth: 4 ft Method: 8015B NM - Diesel I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate I-Chlorooctane -Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride lient Sample ID: 13P4 4 ate Collected: 09/07/21 13:00 ate Received: 09/08/21 14:20 ample Depth: 4 ft Method: 8015B NM - Diesel I Analyte GRO)-C6-C10 Diesel Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C10-C28) OII Range Organics (Over	Range Organi Result 77.6 5960 966 7000 %Recovery 122 107 Chromatogra Result 1710 ft 0 6 Range Organi Result <49.7	ics (DRO) (Qualifier Qualifier phy - Solu Qualifier ics (DRO) (Qualifier U	(GC) RL 49.8 49.8 49.8 49.8 <u>49.8</u> <u>49.8</u> <u>70 - 130</u> 70 - 130 Dle <u>RL</u> <u>24.9</u> (GC) <u>RL</u> 49.7 49.7 49.7	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg mg/Kg mg/Kg	P P P	Prepared 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 09/10/21 09:14 Prepared 09/10/21 09:14 Prepared ab Sample Prepared 09/10/21 09:14	Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/10/21 19:59 09/10/21 19:59 09/10/21 19:59 Analyzed 09/11/21 23:27 DI: 880-59 Matrix Analyzed 09/10/21 20:21 09/10/21 20:21	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1

	С	lient Sample	Results				1
Client: Environmental Oilfield S Project/Site: Cheddar SWD Pre	olutions, LLC liminary				Job ID: 880- SDG: New I	5912-1 Mexico	2
Client Sample ID: 13P4 4 Date Collected: 09/07/21 13:0	l ft 0			Lab Sampl	e ID: 880-59 Matrix	12-18 : Solid	
Date Received: 09/08/21 14:20 Sample Depth: 4 ft	6						4
Surrogate 1-Chlorooctane o-Terphenyl	%Recovery Qua 115 120	lifier Limits 70 - 130 70 - 130		Prepared 09/10/21 09:14 09/10/21 09:14	Analyzed 09/10/21 20:21 09/10/21 20:21	Dil Fac 1 1	5
Method: 300.0 - Anions, Ion Analyte Chloride	Chromatography Result Qua 105	ilfier RL 4.95	Unit mg/Kg	D Prepared	Analyzed 09/11/21 23:32	Dil Fac	7 8
							9
							13

Client Sample Results

Job ID: 880-7448-1

lient: Environmental Oilfield Solutions, LL roject/Site: Cheddar RT	.C		-				Job ID: 880	-7448-1
lient Sample ID: #2 Cheddar RT (6"					Lab San	nple ID: 880-	7448-1
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
ample Depth: 6"								
Method: 8015 NM - Diesel Range Organ	ics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/27/21 12:13	1
Nothed: 2015D NM Discol Doorse Ores								
Analyte	Basult	Cualifier	D1	Unit		Branarad	Analyzed	Dil Esc
Analyte	Result	Quaimer		Unit		Prepared	Analyzeu	Dil Fac
Gasoline Range Organics	~00.0	0	50.0	inging		10/21/21 14:01	10/21/21/21:02	
Diesel Range Organics (Over	<50.0	u	50.0	maKa		10/21/21 14:51	10/21/21 21:52	1
C10-C28)		-						
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/21/21 21:52	1
Surrogate %/	Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			10/21/21 14:51	10/21/21 21:52	1
o-Terphenvl	133	S1+	70 - 130			10/21/21 14:51	10/21/21 21:52	1
- respinantly		0.11						
Method: 300.0 - Anions, Ion Chromatog	raphy -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		24.8	ma/Ka			10/23/21 21:53	5
ate Collected: 10/20/21 13:00 late Received: 10/21/21 12:17 iample Denth: 4'							Matri	x: Solid
Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 4' Method: 8015 NM - Diesel Range Organ	lics (DR	0) (GC)					Matri	x: Solid
Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte	ics (DR Result	O) (GC) Qualifier	RL	Unit	D	Prepared	Matri	x: Solid
Analyte Total TPH	iics (DR Result <50.0	O) (GC) Qualifier U	<u></u>	Unit mg/Kg	_ <u>P</u>	Prepared	Matri Analyzed 10/27/21 12:13	x: Solid
Analyte Total TPH	rics (DR Result <50.0	O) (GC) Qualifier U	<u></u>	Unit mg/Kg	<u> </u>	Prepared	Matri Analyzed 10/27/21 12:13	Dil Fac
Analyte Method: 80155 NM - Diesel Range Organ Analyte Method: 80155 NM - Diesel Range Organ Analyte Total TPH	nics (DR Result <50.0	O) (GC) Qualifier U RO) (GC)	<u></u>	Unit mg/Kg	_ <u>P</u>	Prepared	Matri Analyzed 10/27/21 12:13	Dil Fac
Analyte	nics (DR Result <50.0 Anics (D Result	O) (GC) Qualifier U RO) (GC) Qualifier	<u></u>	Unit mg/Kg Unit	D	Prepared	Matri Analyzed 10/27/21 12:13 Analyzed	Dil Fac
Analyte Caseline Range Organics Caseline Range Organic	ics (DR Result <50.0 anics (D Result <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg	<u>P</u>	Prepared Prepared 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51	Dil Fac
Analyte Collected: 10/20/21 13:00 Late Received: 10/21/21 12:17 Lample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Collected: 8015B NM - Diesel Range Orga Analyte Casoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	nics (DR Result <50.0 Result <50.0 <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 50.0 RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	<u>P</u>	Prepared Prepared 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51	Dil Fac 1 Dil Fac 1 1
Analyte Collected: 10/20/21 13:00 ate Received: 10/21/21 12:17 ample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Orga Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	nics (DR Result <50.0 Result <50.0 <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 50.0 RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	<u>P</u>	Prepared Prepared 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51	Dil Fac 1 Dil Fac 1 1
Analyte Casoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Collected (Casoline Range Organics (Over C28-C36) Casoline Range Organics (Over C28-C36)	anics (DR Result <50.0 Result <50.0 <50.0 <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U U U	RL 50.0 RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51	Dil Fac 1 Dil Fac 1 1 1
Analyte Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Orga Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	ics (DR Result <50.0 Result <50.0 <50.0 <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U U U	RL 50.0 80.0 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	P	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 Analyzed	Dil Fac 1 Dil Fac 1 1 1 0il Fac
Analyte Caseline Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (ORO)-C8-C10 Diesel Range Organics (ORO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate %#	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105	O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	RL 50.0 RL 50.0 50.0 50.0 <u>Limits</u> 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	P P	Prepared Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 Analyzed 10/21/21 22:51	Dil Fac 1 Dil Fac 1 1 1 1 Dil Fac
Analyte Carbon Content of the conten	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 <50.0 Recovery 105	O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	RL 50.0 RL 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51	x: Solid Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1 Dil Fac
And Collected: 10/20/21 13:00 (ate Received: 10/21/21 12:17 (ample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Organ Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate - Terphenyl Method: 200.0, Aniones Ion Chrometers	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 50.0 50.0 70 - 130 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	P	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51	Dil Fac 1 Dil Fac 1 1 1 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
And Collected: 10/20/21 13:00 (ate Received: 10/21/21 12:17 (ample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Organ Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 0-Terphenyl Method: 300.0 - Anions, Ion Chromatog Analyte	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result	O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier Soluble Qualifier	RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chromatog Analyte Chloroica	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118 graphy - Result	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 80.0 RL 50.2	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 10/21/21 22:51 10/21/21 10/21	x: Solid Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
Analyte Collected: 10/20/21 13:00 ate Received: 10/21/21 12:17 ample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Orga Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 9-Terphenyl Method: 300.0 - Anions, Ion Chromatog Analyte Chloride	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 Elmits 70 - 130 70 - 130 70 - 300	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 Analyzed 10/23/21 22:15	x: Solid Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac
Analyte Carbonic Content of the cont	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 60.0 20.130 70 - 130 70 - 130 RL 5.03	Unit mg/Kg mg/Kg mg/Kg mg/Kg	P P	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 Prepared Prepared Lab Sam	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 Analyzed 10/23/21 22:15 nple ID: 880-	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Chloride Chlo	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 80.0 70 - 130 70 - 130 70 - 300 RL 5.03	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared Prepared Lab San	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/23/21 22:15 nple ID: 880- Matri	x: Solid Dil Fac 1 1 1 Dil Fac 1 1 1 Dil Fac 1 1 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C28-C36) Surrogate 7-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chromatog Analyte Chloride Chloride Chloride Chlore ID: #3 Cheddar RT ate Collected: 10/20/21 13:00 ate Received: 10/21/21 12:17	iics (DR Result <50.0 25	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 Elimits 70 - 130 70 - 130 70 - 5.03	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared Lab San	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 Analyzed 10/23/21 22:15 nple ID: 880- Matri	x: Solid Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 7 448-3 x: Solid
Analyte Gasoline Range Organics GGRO)-C8-C10 Diesel Range Organics GGRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chromatog Analyte Chloride Ch	ics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 Recovery 105 118 graphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 Elimits 70 - 130 70 - 130 70 - 5.03	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared Lab San	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/23/21 22:15 nple ID: 880- Matri	x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Carbonic Content of the cont	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 60.0 Limits 70 - 130 70 - 130 RL 5.03	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	P P	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared Lab Sam	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/23/21 22:15 nple ID: 880- Matri	Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Collected: 10/20/21 13:00 Jate Collected: 10/20/21 13:00 Jate Received: 10/21/21 12:17 Jample Depth: 4' Method: 8015 NM - Diesel Range Organ Analyte Total TPH Method: 8015B NM - Diesel Range Orga Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate %/ 1-Chlorooctane o-Terpheny/ Method: 300.0 - Anions, Ion Chromatog Analyte Chloride Cilient Sample ID: #3 Cheddar RT Jate Collected: 10/20/21 13:00 Jate Received: 10/21/21 12:17 Jample Depth: 6" Method: 8015 NM - Diesel Range Organ	tics (DR Result <50.0 Result <50.0 <50.0 <50.0 <50.0 <50.0 Recovery 105 118 raphy - Result 17.9	O) (GC) Qualifier U RO) (GC) Qualifier U U Qualifier Soluble Qualifier O) (GC) Qualifier	RL 50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 60.0 Limits 70_130 RL 5.03	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	P P	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51 Prepared 10/21/21 14:51 Prepared 10/21/21 14:51 Prepared 10/21/21 14:51 Lab Sam Prepared	Matri Analyzed 10/27/21 12:13 Analyzed 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 10/21/21 22:51 Analyzed 10/23/21 22:15 mple ID: 880- Matri Analyzed	x: Solid Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 Dil Fac

Eurofins Xenco, Midland

		Clien	t Sample Re	sults				
Client: Environmental Oilfield Solutio Project/Site: Cheddar RT	ons, LLC						Job ID: 880)-7448-1
Client Sample ID: #3 Chedda	r RT					Lab Sar	nple ID: 880- Matri	7448-3 ix: Solid
Pate Received: 10/21/21 12:17 Sample Depth: 6"								
Method: 8015B NM - Diesel Rang	e Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/21/21 23:11	1
Diesel Range Organics (Over C10-C28)	266		50.0	mg/Kg		10/21/21 14:51	10/21/21 23:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/21/21 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			10/21/21 14:51	10/21/21 23:11	1
o-Terphenyl	118		70 - 130			10/21/21 14:51	10/21/21 23:11	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		25.2	mg/Kg			10/23/21 22:22	5
lient Sample ID: #5 Chedda	r RT					Lab Sar	nple ID: 880-	7448-4
ate Collected: 10/20/21 13:00							Matr	ix: Solid
ate Received: 10/21/21 12:17								
Sample Depth: 6"								
- Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	244		49.9	mg/Kg			10/27/21 12:13	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	u	49.9	ma/Ka		10/21/21 14:51	10/21/21 23:31	1
(GRO)-C6-C10			40.0				1012112120.01	
Diesel Range Organics (Over C10-C28)	244		49.9	mg/Kg		10/21/21 14:51	10/21/21 23:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/21/21 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			10/21/21 14:51	10/21/21 23:31	1
o-Terphenyl	121		70 - 130			10/21/21 14:51	10/21/21 23:31	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		25.1	mg/Kg			10/23/21 22:29	5
	DT					Lab O		2440.5
Client Sample ID: #6 Chedda	rRT					Lab Sar	nple ID: 880-	7448-5
Date Collected: 10/20/21 13:00							Matr	ix: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg	_ =		10/27/21 12:13	1
Mathed Margaret								
Method: 8015B NM - Diesel Rang	e Organics (Di	Cualifier	PI	Unit	D	Prepared	Analyzed	Dil Esc
Casalias Danas Oraccias	Result	quaimer	KL	unit	<u> </u>	Frepareo	Analyzeu	Direc
termine bounded in the second	- 40 0		40.0	and the second sec		10/01/01 11/21	10/01/01 00/01	
(CDO) OR OTO	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/21/21 23:51	1

Client Sample Results

Job ID: 880-7448-1

Client: Environmental Oilfield Solution Project/Site: Cheddar RT	ons, LLC						Job ID: 880	-7448-1
Client Sample ID: #6 Chedda	r RT					Lab San	nple ID: 880-	7448-5
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								4
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	(ontinued)					5
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/21/21 23:51	1 6
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/21/21 23:51	1 7
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70.130			10/21/21 14:51	10/21/21 23:51	1 8
o-Terphenyl	115		70 - 130			10/21/21 14:51	10/21/21 23:51	1
C								9
Method: 300.0 - Anions, Ion Chro	matography -	Soluble		11.12	-			DUR
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac 10
Chloride	247		24.8	mg/Kg			10/23/21 22:36	0
Client Sample ID: #7 Chedda	r RT					Lab San	nple ID: 880-	7448-6
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								
								13
Method: 0015 NM - Diesel Range	Organics (DR	O) (GC) Oualifier	PI	Unit		Prepared	Analyzed	DillEsc
Tetal TDH		Qualifier	49.8	malka		Frepared	10/27/21 12:13	14
	04.0		45.0	inging			10/2//21 12:15	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/22/21 00:11	1
(GRO)-C6-C10								
Diesel Range Organics (Over	54.6		49.8	mg/Kg		10/21/21 14:51	10/22/21 00:11	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	ma/Ka		10/21/21 14:51	10/22/21 00:11	1
		-						
Surrogate	%Recovery	Qualifier	Limite			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			10/21/21 14:51	10/22/21 00:11	1
o-Terphenyl	111		70 - 130			10/21/21 14:51	10/22/21 00:11	1
method: 300.0 - Anions, Ion Chro	matography -	Soluble		11.12				DU Dec
Analyte	Result	Qualifier	RL	Unit	_ P	Prepared	Analyzed	Dil Fac
Chloride	244		0.04	mg/Kg			10/23/21 22:56	1
Client Sample ID: #9 Chedda	r RT					Lab San	nple ID: 880-	7448-7
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								
F	-							
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)			-	-		
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
	<49.9	U	49.9	mg/Kg			10/27/21 12:13	1
Method: 8015B NM - Diesel Range	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 00:30	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 00:30	1
C10-C28)								

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Client Sample Results

Client: Environmental Oilfield Solution Project/Site: Cheddar RT	ns, LLC						Job ID: 880	-7448-1
Client Sample ID: #9 Cheddar Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6"	RT					Lab Sar	nple ID: 880- Matri	7448-7 x: Solid
Method: 8015B NM - Diesel Range Analyte	Organics (D Result	RO) (GC) (C Qualifier	Continued) RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 00:30	1 6
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac 🚽
1-Chlorooctane	100		70 - 130			10/21/21 14:51	10/22/21 00:30	1
o-Terphenyl	106		70 - 130			10/21/21 14:51	10/22/21 00:30	1 8
Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac 🛛 🗧
Chloride	36.2		4.99	mg/Kg			10/23/21 23:05	1
Client Sample ID: #10 Chedda	r RT					Lab Sar	nple ID: 880-	7448-8
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								12
Method: 8015 NM - Diesel Range C	Organics (DR	D) (GC)	-		_	-		4.2
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Total TPH	336		50.0	mg/Kg			10/27/21 12:13	1 4 4
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	227		50.0	mg/Kg		10/21/21 14:51	10/22/21 06:57	1
(GRO)-C6-C10 Diesel Range Organics (Over	109		50.0	mg/Kg		10/21/21 14:51	10/22/21 06:57	1
C10-C28) Oll Bange Organics (Over C28-C36)	<50.0	u	50.0	maKa		10/21/21 14-51	10/22/21 08:57	1
on nunge organita (ore: ozo oso)		-						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			10/21/21 14:51	10/22/21 06:57	1
Co-respinency	120		10-130			10/21/21 14:01	10/22/21 00.07	
Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	<u> </u>	Prepared	Analyzed	Dil Fac
Chloride	7340		49.7	mg/Kg			10/23/21 23:12	10
Client Sample ID: #11 Chedda	r RT 6"					Lab San	nple ID: 880-	7448-9
Date Collected: 10/20/21 13:00							Matri	x: Solid
Date Received: 10/21/21 12:17								
Sample Depth: 6"								
Method: 8015 NM - Diesel Range (Dragnics (DR	0) (6C)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1630		49.9	mg/Kg			10/27/21 12:13	1
Mathed: 2016D NM Diseal Dance	Ormanica (D							
Analyte	Organics (D	Ouslifier	PI	Unit		Propered	Anaburad	Dil Esc
Gasoline Range Organice	<49.9	U	49.9	maKa		10/21/21 14:51	10/22/21 07:17	1
(GRO)-C6-C10		-						
Diesel Range Organics (Over C10-C28)	1630		49.9	mg/Kg		10/21/21 14:51	10/22/21 07:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 07:17	1

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Client Sample Results

		Clief	it Sample Rea	Suits					
Client: Environmental Oilfield Solution Project/Site: Cheddar RT	s, LLC						Job ID: 880	-7448-1	2
Client Sample ID: #11 Chedda	r RT 6"					Lab San	nple ID: 880-	7448-9	
Date Collected: 10/20/21 13:00							Matri	x: Solid	
Date Received: 10/21/21 12:17									
Sample Deptn: 6"									_
		0	11-11-1						5
Surrogate	%Recovery	Qualifier	Zimits 70, 130			10/21/21 14-51	Analyzed 10/22/21 07:17	Dil Fac	
o-Terrberyd	123		70 130			10/21/21 14:51	10/22/21 07:17		
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac	
Chloride	5190		50.5	mg/Kg			10/23/21 23:19	10	
Client Sample ID: #11 Chedda	r RT 4'					Lab Sam	ple ID: 880-7	448-10	~
Date Collected: 10/20/21 13:00							Matri	x: Solid	
Date Received: 10/21/21 12:17									
Sample Depth: 4'									
F									
Method: 8015 NM - Diesel Range O	rganics (DR	0) (GC)		11-12		Deserved	A	Dille	
Analyte Total TDH	Result	Qualifier	RL	Unit	_ •	Prepared	Analyzed	Dil Fac	
	<48.9	0	49.9	mg/Kg			10/2//21 12:13	1	
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							12
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	10
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 07:37	1	
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 07:37	1	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 07:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			10/21/21 14:51	10/22/21 07:37	1	
o-Terphenyl	123		70 - 130			10/21/21 14:51	10/22/21 07:37	1	
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	671		5.00	mg/Kg			10/23/21 23:27	1	
Client Complet ID: #42 Chedde	DT O					Lab Carr	-la ID: 000 7	440 44	
Client Sample ID: #13 Chedda	r RI 6"					Lab Sam	pie ID: 880-7	448-11	
Date Collected: 10/20/21 13:00							Matri	x: Solid	
Date Received: 10/21/21 12:17 Sample Depth: 6"									
Cample Depth. 0									
Method: 8015 NM - Diesel Range O	rganics (DR	D) (GC)							
Analyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			10/27/21 12:13	1	
Method: 2015B NM - Discol Paper	Organice (D								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/22/21 08:17	1	
(GRO)-C8-C10									
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/22/21 08:17	1	
CTU-C28) OII Range Organics (Over C28, C38)	-60.0		50.0	malia		10/21/21 14-51	10/22/21 08:17		
On range organics (Over 028-030)	<00.0	0	00.0	mg/Kg		10/21/21 19:01	10/22/21 08:17	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			10/21/21 14:51	10/22/21 08:17	1	
o-Terphenyl	119		70 - 130			10/21/21 14:51	10/22/21 08:17	1	

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		Clien	it Sample Re	sults				
Client: Environmental Oilfield Solutio Project/Site: Cheddar RT	ons, LLC						Job ID: 880)-7448-1
Client Sample ID: #13 Chedd	ar RT 6"					Lab Sam	ple ID: 880-7	448-11
Date Collected: 10/20/21 13:00							Matri	ix: Solid
Date Received: 10/21/21 12:17 Sample Depth: 6"								
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400	F1	100	mg/Kg			10/23/21 23:34	20
lient Sample ID: #14 Chedd	ar RT 6"					Lab Sam	ple ID: 880-7	448-12
)ate Collected: 10/20/21 13:00							Matri	ix: Solid
Date Received: 10/21/21 12:17 Sample Depth: 6"								
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	937		49.8	mg/Kg			10/27/21 12:13	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/22/21 08:38	1
Diesel Range Organics (Over C10-C28)	937		49.8	mg/Kg		10/21/21 14:51	10/22/21 08:38	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/22/21 08:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			10/21/21 14:51	10/22/21 08:38	1
o-Terphenyl	127		70 - 130			10/21/21 14:51	10/22/21 08:38	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble			_			
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Chloride	4860		49.7	mg/Kg			10/23/21 23:00	10
Client Sample ID: #16 Chedd	ar RT 6"					Lab Sam	ple ID: 880-7	448-13
Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6"							Matri	ix: Solid
Method: 8015 NM - Diesel Range	Organics (DR	0) (6C)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	-40.8	U	49.8	mg/Kg			10/27/21 12:13	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/22/21 08:59	1
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		10/21/21 14:51	10/22/21 08:59	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.8	U	49.8	ma/Ka		10/21/21 14:51	10/22/21 08:59	1
e		0	1 in the					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			10/21/21 14:51	10/22/21 08:59	1
o-rerphenyr	116		70 - 130			10/21/21 14:51	10/22/21 08:59	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble		11-11		Deserved	Analysis	0.0
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Chloride	7350		49.9	mg/Kg			10/24/21 00:02	10

Client Sample Results

		Clien	t Sample Res	sults					
lient: Environmental Oilfield Solution Project/Site: Cheddar RT	is, LLC						Job ID: 880	-7448-1	
Client Sample ID: #17 Chedda	r RT 6"					Lab Sam	ple ID: 880-7	448-14	
Date Collected: 10/20/21 13:00							Matri	x: Solid	
Date Received: 10/21/21 12:17									
Sample Depth: 6"									
Method: 8015 NM - Diesel Range C	rganics (DR	0) (GC)	_						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	<49.9	U	49.9	mg/Kg			10/27/21 12:13	1	
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 09:19	1	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 09:19	1	
C10-C28)	-10.0		40.0	malla		10/21/21 11/51	10/22/21 00:10		
Oil Range Organics (Over 028-036)	<49.9	0	48.8	mging		10/21/21 14:01	10/22/21 09:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			10/21/21 14:51	10/22/21 09:19	1	
o-Terphenyl	118		70 - 130			10/21/21 14:51	10/22/21 09:19	1	
Chlorida									
	9900		99.2	mg/Kg			10/24/21 00:24	20	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17	9900 r RT 6"		99.2	mg/Kg		Lab Sam	10/24/21 00:24 ple ID: 880-74 Matri	20 448-15 ix: Solid	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6"	r RT 6"	D) (GC)	99.2	mg/Kg		Lab Sam	10/24/21 00:24 ple ID: 880-74 Matri	20 448-15 ix: Solid	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range O Analyte	r RT 6"	D) (GC) Qualifier	99.2 RL	mg/Kg Unit	D	Lab Sam	10/24/21 00:24 ple ID: 880-74 Matri Analyzed	20 448-15 ix: Solid	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range O Analyte Total TPH	r RT 6" Prganics (DR(Result <49.9	D) (GC) Qualifier U	99.2	Unit mg/Kg	<u>D</u>	Lab Sam	10/24/21 00:24 ple ID: 880-7 Matri <u>Analyzed</u> 10/27/21 12:13	20 448-15 ix: Solid Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range O Analyte Total TPH	9900 r RT 6" Organics (DR(<u>Result</u> <49.9	D) (GC) Qualifier U	99.2	unit mg/Kg	<u>P</u>	Lab Sam	10/24/21 00:24 ple ID: 880-74 Matri <u>Analyzed</u> 10/27/21 12:13	20 448-15 x: Solid Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range O Analyte Total TPH Method: 8015B NM - Diesel Range	r RT 6"	D) (GC) Qualifier U RO) (GC)	99.2	unit mg/Kg	<u>D</u>	Lab Sam	10/24/21 00:24 ple ID: 880-74 Matri <u>Analyzed</u> 10/27/21 12:13	20 448-15 ix: Solid Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range O Analyte Total TPH Method: 8015B NM - Diesel Range Analyte	r RT 6"	D) (GC) Qualifier U RO) (GC) Qualifier	99.2 	Unit mg/Kg	D	Lab Sam Prepared Prepared	10/24/21 00:24 ple ID: 880-74 Matri Analyzed 10/27/21 12:13 Analyzed	20 448-15 ix: Solid Dil Fac 1 Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (CRO) CS C10	r RT 6" rganics (DR) <u>Result</u> <u>49.9</u> Organics (D) <u>Result</u> <u>49.9</u>	D) (GC) Qualifier U RO) (GC) Qualifier U	99.2 	Unit mg/Kg Unit mg/Kg	<u>P</u>	Prepared Prepared 10/21/21 14:51	10/24/21 00:24 ple ID: 880-74 Matri Matri 10/27/21 12:13 Analyzed 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C Analyte Total TPH Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	r RT 6" rganics (DR(<u>Result</u> <49.9 Organics (Dl <u>Result</u> <49.9	D) (GC) Qualifier U RO) (GC) Qualifier U	99.2 	Unit mg/Kg Unit mg/Kg mg/Kg	<u>P</u>	Prepared 10/21/21 14:51 10/21/21 14:51	10/24/21 00:24 ple ID: 880-74 Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C Analyte Total TPH Gascline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	r RT 6" rganics (DR(<u>Result</u> <49.9 Organics (Dl <u>Result</u> <49.9 <49.9	D) (GC) Qualifier U RO) (GC) Qualifier U U	99.2 	unit mg/Kg Unit mg/Kg mg/Kg	<u>P</u>	Prepared 10/21/21 14:51 10/21/21 14:51	10/24/21 00:24 ple ID: 880-74 Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 Dil Fac 1 1	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C Analyte Total TPH Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	9900 r RT 6" Prganics (DR(<u>Result</u> <49.9 Organics (DI <u>Result</u> <49.9 <49.9 <49.9	D) (GC) Qualifier U RO) (GC) Qualifier U U	99.2 RL 49.9 49.9 49.9 49.9	unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 10/21/21 14:51 10/21/21 14:51	10/24/21 00:24 ple ID: 880-74 Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 Dil Fac 1 1	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C Analyte Total TPH Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	9900 r RT 6" Drganics (DR(<u>Result</u> <49.9 Organics (DI <u>Result</u> <49.9 <49.9	D) (GC) Qualifier U RO) (GC) Qualifier U U U	99.2	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>P</u>	Prepared 10/21/21 14:51 10/21/21 14:51 10/21/21 14:51	10/24/21 00:24 ple ID: 880-7/ Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 Dil Fac 1 1	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C 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	r RT 6" rganics (DR) rganics (DR) rganics (DI) rganics	D) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	99.2	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 10/21/21 10/21/21 10/21/21 10/21/21 10/21/21 10/21/21 10/21/21 10/21/21	10/24/21 00:24 ple ID: 880-74 Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 1 1 Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C 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-Chioroctane	r RT 6" r ganics (DR) r Result vert vert vert vert vert vert vert ve	D) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	99.2 <u>RL</u> 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 10/21/21 14/51	10/24/21 00:24 ple ID: 880-74 Matri Matri 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 1 1 Dil Fac 1 1 1 Dil Fac	
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C 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	9900 r RT 6" r RT 6" r RT 6" r Result www.action.com"/>www.action.com Organics (DR www.action.com"/>www.action.com Organics (DR www.action.com"/>www.action.com Organics (DR www.action.com Organics (DR www.action.com www.action.com www.action.com www.action.com www.action.com <a <br="" href="https://wwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwww</td><td>D) (GC)
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70 - 100</td><td>mg/Kg
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Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6">Method: 8015 NM - Diesel Range C 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-Chlorocctane o-Terphenyl Method: 300.0 - Anions, Ion Chrom	r RT 6" r ganics (DR) r RT 6" r ganics (DR) r Result r 49.9 r 49	D) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier Soluble	99.2 RL 49.9 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 10/21/21 14/51	10/24/21 00:24 ple ID: 880-7/ Matri Analyzed 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40	20 448-15 ix: Solid Dil Fac 1 1 1 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: #18 Chedda Date Collected: 10/20/21 13:00 Date Received: 10/21/21 12:17 Sample Depth: 6" Method: 8015 NM - Diesel Range C 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 Chrom Analyte	r RT 6" r RT 6" r RT 6" r RT 6" r Result r 49.9	D) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier Soluble Qualifier	99.2	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 10/21/21 14:51 Prepared	10/24/21 00:24 ple ID: 880-7/ Matri Matri 10/27/21 12:13 Analyzed 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 10/22/21 09:40 Analyzed Analyzed	20 448-15 fx: Solid Dil Fac 1 1 1 Dil Fac 1 1 Dil Fac	

Eurofins Xenco, Midland

		Client	Sample Re	sults				
Client: Environmental Oilfield Solu	utions, LLC		•				Job ID: 880-	-8005-1
Project/Site: Cheddar RT						5	3DG: Lea Cou	inty NM
Client Sample ID: #10 1ft Date Collected: 11/04/21 15:00 Date Received: 11/05/21 11:29 Sample Depth: 1'						Lab Samp	le ID: 880-8 Matrix	8005-1 c: Solid
Method: 300.0 - Anions, Ion C	hromatogra	phy - Sol	uble	Unit		Broosrad	Analyzed	Dill Eas
Chloride	193	quaimer	4.95	ma/Ka		Prepared	11/08/21 00:15	1
	100		4.00					
Client Sample ID: #11 1ft Date Collected: 11/04/21 15:00 Date Received: 11/05/21 11:29 Sample Depth: 1'						Lab Samp	Ie ID: 880-8 Matrix	: Solid
Method: 8015 NM - Diesel Ran	ge Organic	s (DRO) (GC)		-			
Analyte Total TPH	Result	qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
	-49.0	U	49.0	mg/Kg			11/00/21 10:33	1
Method: 8015B NM - Diesel Ra	ange Organi	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sasoline Range Organics	<49.8	U	49.8	mg/Kg		11/05/21 13:34	11/06/21 23:46	1
GRO)-C6-C10	<10.9	11.94	40.9	malka		11/05/01 10:04	11/06/01 00:46	
C10-C28)	-49.0	01	49.0	mgrkg		11/05/21 15:34	11/00/21 23:40	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/05/21 13:34	11/06/21 23:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			11/05/21 13:34	11/06/21 23:46	1
o-Terphenyl (Surr)	103		70 - 130			11/05/21 13:34	11/06/21 23:46	1
Method: 300.0 - Anione Jon Ci	bromatoura	nhy - Sol	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Eac
Chloride	68.5	-	4.98	mg/Kg	_ =		11/08/21 00:26	1
lient Sample ID: #13 1ft ate Collected: 11/04/21 15:00 ate Received: 11/05/21 11:29						Lab Samp	le ID: 880-8 Matrix	8005-3 c: Solid
ample Depth: 1								
Method: 300.0 - Anions, Ion C	hromatogra	phy - Sol	uble		_			
Analyte	Result	Qualifier	RL	Unit	_ <u>P</u>	Prepared	Analyzed	Dil Fac
Chloride	58.7		4.95	mg/Kg			11/08/21 00:36	1
lient Sample ID: #14 1ft						Lab Samp	le ID: 880-8	8005-4
ate Collected: 11/04/21 15:00 ate Received: 11/05/21 11:29 ample Depth: 1							Matrix	c: Solid
Method: 300.0 - Anions, Ion C	hromatogra	phy - Sol	uble	licit		Bronsred	Analyzed	Dill Fac
Analyte	Result	quaimer	RL		_ Ľ	Prepared	Analyzed	Dil Pac
Chloride	64.8		5.04	mg/Kg			11/08/21 00:46	1

		Client	Sample Re	sults					1
Client: Environmental Oilfield Solut Project/Site: Cheddar RT	ions, LLC						Job ID: 880 SDG: Lea Cou	-8005-1 unty NM	2
Client Sample ID: #16 1ft Date Collected: 11/04/21 15:00 Date Received: 11/05/21 11:29 Sample Depth: 1'						Lab Samp	ole ID: 880-8 Matrix	8005-5 x: Solid	
Method: 300.0 - Anions, Ion Chr Analyte Chloride	romatogra Result 161	Qualifier	ble 	Unit mg/Kg	_ <u>P</u>	Prepared	Analyzed 11/08/21 00:57	Dil Fac	5
Client Sample ID: #17 1ft						Lab Samp	le ID: 880-8	8005-6	
Date Collected: 11/04/21 15:00 Date Received: 11/05/21 11:29 Sample Depth: 1'							Matrix	x: Solid	8
Method: 300.0 - Anions, Ion Chr Analyte Chloride	romatogra Result 68.2	Qualifier	ble 	Unit mg/Kg	<u> </u>	Prepared	Analyzed 11/08/21 01:07	Dil Fac 1	9 10
									13

		Client	Sample Res	sults				
Client: Environmental Oilfield Solution Project/Site: Cheddar RT	s, LLC					Job ID: 880 SDG: Lea Cou	0-8085-1 unty, NM	2
Client Sample ID: #18 1 ft Date Collected: 11/04/21 14:30					Lab Sa	mple ID: 880- Matr	-8085-1 ix: Solid	
Date Received: 11/09/21 08:35 Sample Depth: 1'								
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble		11-14	Deserved	Annhand	DillEss	5
Chloride	22.8	Quaimer	5.03	mg/Kg	 Prepared	11/09/21 17:04	1	
								8
								9

	Client	Sample Res	sults				
Client: Environmental Oilfield Solution Project/Site: Cheddar RT	is, LLC				Job ID: 880 SDG: Lea Cou	0-8240-1 unty, NM	2
Client Sample ID: #11 Chedda Date Collected: 11/11/21 12:00	r 4 ft			Lab Sar	nple ID: 880- Matr	-8240-1 ix: Solid	
Date Received: 11/11/21 15:46 Sample Depth: 4'							
Method: 300.0 - Anions, Ion Chrom	natography Result Qualifier	PI	Unit	D Prepared	Analyzed	Dil Fac	5
Chloride	164	10.0	mg/Kg	11/15/21 11:00	11/15/21 13:06	1	
							8
							9
							13

Received by OCD: 4/26/2022 1:39:27 PM

lient: Environmental Oilfield Solution	ons, LLC		•				Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
lient Sample ID: 4						Lab Sam	ple ID: 880-1	0912-7
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rang	e Organics (D)	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:14	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			02/04/22 12:21	02/07/22 15:14	1
o-Terphenyl (Surr)	92		70 - 130			02/04/22 12:21	02/07/22 15:14	1
		0.1.1.1						
Method: 300.0 - Anions, Ion Chro	matography -	Ouslifer	DI	11-2		Deserved	Anal-	Dil Ca
Chlorida	Result	quanner	25.0	Unit	U	rrepared	Analyzed	Dii Fac
Chloride	3510		25.0	mg/Kg			02/09/22 17:50	0
lient Sample ID: 4						Lab Sam	ple ID: 880-1	0912-8
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Netherly 9024D Meletile Operation	Companyada	001						
Method: 6021B - Volatile Organic	Compounds (GC)	PI	Unit	n	Property	Anaband	Dil Eso
Renzene	<0.00201		0.00201	malka		02/03/22 10:10	02/04/22 20:50	Dil Fac
Toluono	<0.00201		0.00201	malka		02/02/22 10:10	02/04/22 20:50	
o-Xvlene	<0.00201	н	0.00201	malka		02/03/22 10:10	02/04/22 20:58	
Ethylhanzona	<0.00201	ŭ	0.00201	ma/Ka		02/03/22 10:10	02/04/22 20:50	· · · · · ·
m p-Xvlenes	<0.00402	u	0.00402	ma/Ka		02/03/22 10:10	02/04/22 20:59	1
inde refresses	0.00102		0.00101				02.0 1122 20.00	53
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130			02/03/22 10:10	02/04/22 20:59	1
1,4-Difluorobenzene (Surr)	82		70_130			02/03/22 10:10	02/04/22 20:59	1
Method: Total BTEX Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Pana	e Organice (D	POLICCI						
methou, ou fob ram - Dieser Rang	Recult	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fac
Analyte	Result	U	50.0	ma/Ka	0	02/04/22 12:21	02/07/22 15:35	1
Analyte Gasoline Range Organics	<5010	5				LEIG HEE TELET	SERVICE 10.00	10
Analyte Gasoline Range Organics (GRO)-C8-C10	<50.0			malka		02/04/22 12:21	02/07/22 15:35	1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over	<50.0	U	50.0	mgmg				
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mgrog				
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Dll Range Organics (Over C28-C38)	<50.0 <50.0 <50.0	U U	50.0 50.0	mg/Kg		02/04/22 12:21	02/07/22 15:35	:1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C38) Surrogate	<50.0 <50.0 <50.0 %Recovery	U U Qualifier	50.0 50.0 Limits	mg/Kg		02/04/22 12:21 Prepared	02/07/22 15:35 Analyzed	1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr)	<50.0 <50.0 <50.0 %Recovery 112	U U Qualifier	50.0 50.0 Limits 70 - 130	mg/Kg		02/04/22 12:21 Prepared 02/04/22 12:21	02/07/22 15:35 Analyzed 02/07/22 15:35	1 Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate f-Chlorooctane (Surr) >-Terphenyl (Surr)	<50.0 <50.0 <50.0 %Recovery 112 119	U U Qualifier	50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg		02/04/22 12:21 Prepared 02/04/22 12:21 02/04/22 12:21	02/07/22 15:35 Analyzed 02/07/22 15:35 02/07/22 15:35	1 Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C38) Surrogate I-Chlorooctane (Surr) p-Terphenyl (Surr)	<50.0 <50.0 <50.0 %Recovery 112 119	U U Qualifier	50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg		02/04/22 12:21 Prepared 02/04/22 12:21 02/04/22 12:21	02/07/22 15:35 Analyzed 02/07/22 15:35 02/07/22 15:35	1 Dil Fac 1 1
Analyte Gasoline Range Organics GRO)-C8-C10 Disel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr) 5-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro	<50.0 <50.0 %Recovery 112 119 matography -	U U Qualifier Soluble	50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg		02/04/22 12:21 Prepared 02/04/22 12:21 02/04/22 12:21	02/07/22 15:35 Analyzed 02/07/22 15:35 02/07/22 15:35	1 Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte	<50.0 <50.0 %Recovery 112 119 matography - Result	U U Qualifier Soluble Qualifier	50.0 50.0 Limits 70 - 130 70 - 130 RL	mg/Kg Unit	D	02/04/22 12:21 Prepared 02/04/22 12:21 02/04/22 12:21 Prepared	02/07/22 15:35 Analyzed 02/07/22 15:35 02/07/22 15:35 Analyzed	1 Dil Fac 1 Dil Fac

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			Contraction of the Contraction of Contra					
lient: Environmental Oilfield Soluti	ons, LLC						Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	nples						SDG: Lea Cou	nty, NM
lient Sample ID: 5						Lab Sam	ple ID: 880-1	0912-9
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8021B - Volatile Organic	Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 22:45	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 22:45	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 22:45	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 22:45	1
m.p-Xylenes	< 0.00401	U	0.00401	mg/Kg		02/03/22 10:10	02/04/22 22:45	:1
1000 T								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	263	S1+	70 - 130			02/03/22 10:10	02/04/22 22:45	1
1.4-Difluorobenzene (Surr)	70	1092	70 - 130			02/03/22 10:10	02/04/22 22:45	1
(~
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	ma/Ka			02/07/22 15-11	1
and the second se	-0.00200	S					Salerial (0.1)	
Method: 8015 NM - Diesel Pange	Organics (DP	0) (GC)						
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	250 0		50.0	malka		rispareu	02/08/22 18-58	d and a
	<00.0	9	30.0	mBu/B			02/00/22 10:00	12
Method: 8015B NM - Diegel Pano	e Organice (D	ROL (GC)						
Analyte	Recutt	Qualifier	PI	Unit	D	Prepared	Analyzed	Dil Eso
Garolino Pango Omenier	RESUL	Juanner	50.0	malla	U	n2/04/22 43-24	02/07/22 45-50	UNI FAC
GROLO8-C10	<00.0	U	0.00	mg/k/g		02/04/22 12:21	02/07/22 10:00	1
Diesel Ranne Organics (Over	<50.0	U	50.0	ma/Ka		02/04/22 12:21	02/07/22 15:56	4
C10-C28)		-		an Such		LEW HEE TELET	20101122 10.00	-3
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	ma/Ka		02/04/22 12:21	02/07/22 15:56	1
		03	60053					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
- I-Chlorooctane (Surr)	97	and the second s	70 - 130			02/04/22 12:21	02/07/22 15:56	1
o-Terphenyl (Surr)	95		70 - 130			02/04/22 12:21	02/07/22 15:56	1
	55						5000000	8
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	c00		5.01	ma/Ka			02/09/22 18-16	1
SHOLDE	600		0.01	in Birdh			02/00/22 10.10	10
lient Sample ID: 5						Lab Samp	le ID: 880-10	912-10
ate Collected: 02/04/22 43:00							Matri	v Solid
ate Deceived: 02/02/22 45:44							mau	A. JUIU
ample Depthy A ft								
ampie Depui: 4 it								
Method: 80218 - Volatile Organic	Compounde	GCL						
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Renzene	<0.00100		0.00100	malka		02/03/22 10-10	02/04/22 22:12	- di
Talvasa	~0.00188		0.00188	mgmg		02/03/22 10.10	02/04/22 23.12	
loluene	<0.00199		0.00199	mg/Kg		02/03/22 10:10	02/04/22 23:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/04/22 23:12	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/04/22 23:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/03/22 10:10	02/04/22 23:12	1
			240010-00014			1	100000000000000000000000000000000000000	201 1012/1012
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130			02/03/22 10:10	02/04/22 23:12	1
			70 400			02/02/02 40.40	00/04/00 00.40	
,4-Difluorobenzene (Surr)	84		10-130			02/03/22 10.10	02/04/22 23.12	

1,4-Difluorobenzene (Surr)

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The second	lutions LLC	Clien	t Sample Re	suits			Job ID: 880-1	10912-1
roject/Site: Cheddar RP Final S	amples						SDG: Lea Cou	nty, NM
lient Sample ID: 5						Lab Samp	le ID: 880-10	912-10
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Nether & ADAT MILL Discol Day	0							
Method: 8015 NM - Diesel Ran	ige Organics (DR	0) (GC)		1.1.1				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iotal IPH	<49.9	U	49.9	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diegel Da	anne Organice (Di	201/060						
Analyte	Recult	Qualifier	RI	Unit	n	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<40.0	U	40.0	mo/Ka		02/04/22 12:21	02/07/22 18-18	1
(GRO)-C8-C10	-10.0		10.0	118118		SERVICE IE.EI	SECTRE TO. TO	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 16:16	:1
C10-C28)				010270				
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 16:16	1
		0.075				1210 1220	2000	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Ghiorooctane (Surr)	97		70 - 130			02/04/22 12:21	02/07/22 16:16	1
o-Terphenyl (Surr)	97		70 - 130			02/04/22 12:21	02/07/22 16:16	1
Method: 300.0 Anione Ion Cl	bromatography	Solubla						
Analyte	Recult	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	400	squamer	4 0.9	molka		richaien	02/00/22 18:20	4
CHIONUE.	163		4.00	Bu/A			SEIDOVEZ 10.20	
						Lab Carrie	L- ID. 000 40	
lient Sample ID: 6						Lab Samp	le ID: 880-10	912-11
lient Sample ID: 6 ate Collected: 02/01/22 13:30						Lab Samp	Matri	912-11 x: Solid
Client Sample ID: 6 late Collected: 02/01/22 13:30 late Received: 02/02/22 15:11						Lab Samp	Matri	912-11 x: Solid
Client Sample ID: 6 late Collected: 02/01/22 13:30 late Received: 02/02/22 15:11 ample Depth: 6 in						Lab Samp	Matri	912-11 x: Solid
Client Sample ID: 6 late Collected: 02/01/22 13:30 late Received: 02/02/22 15:11 lample Depth: 6 in						Lab Samp	Matri	912-11 x: Solid
Client Sample ID: 6 late Collected: 02/01/22 13:30 late Received: 02/02/22 15:11 lample Depth: 6 in Method: 8021B - Volatile Organ	nic Compounds	GC)		21/2			Matri	912-11 x: Solid
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte	nic Compounds (Result	GC) Qualifier	RL	Unit	D	Prepared	Analyzed	912-11 x: Solid Dil Fac
Client Sample ID: 6 Bate Collected: 02/01/22 13:30 Bate Received: 02/02/22 15:11 Bample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene	nic Compounds (Result <0.00200	GC) Qualifier U	RL 0.00200	Unit mg/Kg	D	Prepared 02/03/22 10:10	Analyzed 02/04/22 23:38	912-11 x: Solid Dil Fac
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene	nic Compounds (Result <0.00200 <0.00200	G <mark>C)</mark> Qualifier U U	RL 0.00200 0.00200	Unit mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid Dil Fac 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene	nic Compounds (Result <0.00200 <0.00200 <0.00200	GC) Qualifier U U U U	RL 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid Dil Fac 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200	GC) Qualifier U U U U	RL 0.00200 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid Dil Fac 1 1 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m,p-Xylenes	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00400	GC) Qualifier U U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00200 0.00400	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid Dil Fac 1 1 1 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surregate	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00400	GC) Qualifier U U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00400	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	Dil Fac
Client Sample ID: 6 bate Collected: 02/01/22 13:30 bate Received: 02/02/22 15:11 ample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery	GC) Qualifier U U U U U U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70.420	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	Dil Fac
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m,p-Xylenes Surrogate 4-Bromofluorobenzene (Surr)	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 2022 202	GC) Qualifier U U U U Qualifier S1+	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38	Dil Fac
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86	GC) Qualifier U U U U U Qualifier S1+	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 02/04/22 23:38	Dil Fac
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86	GC) Qualifier U U U U U Qualifier S1+	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 6 Pate Collected: 02/01/22 13:30 Pate Received: 02/02/22 15:11 Pample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result	GC) Qualifier U U U U U U Qualifier S1+	RL 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	Dil Fac
Client Sample ID: 6 bate Collected: 02/01/22 13:30 bate Received: 02/02/22 15:11 sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 [EX Calculation Result <0,00200	GC) Qualifier U U U U Qualifier S1+	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38	912-11 x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200	GC) Qualifier U U U U U Qualifier S1+ Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 Analyzed 02/04/22 15:11	912-11 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200	GC) Qualifier U U U U Qualifier S1+ Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 15:11	Dil Fac 1
Client Sample ID: 6 Pate Collected: 02/01/22 13:30 Pate Received: 02/02/22 15:11 Pample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200 age Organics (DR4 Result	GC) Qualifier U U U U Qualifier S1+ Qualifier U O) (GC) Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 02/03/22 10:10 Prepared 02/03/22 02/03/22 10:10 Prepared 02/03/22 Prepared Prepared	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/04/22 23:38 02/04/22 15:11 Analyzed	Dil Fac
Client Sample ID: 6 Pate Collected: 02/01/22 13:30 Pate Received: 02/02/22 15:11 Pample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m,p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 FEX Calculation Result <0.00200 oge Organics (DR(Result <50.0	GC) Qualifier U U U U U Qualifier S1+ Qualifier U O) (GC) Qualifier U	RL 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D D D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared Prepared	Analyzed 02/04/22 23:38 02/04/22 13:11 Analyzed 02/07/22 16:16	912-11 x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 6 bate Collected: 02/01/22 13:30 bate Received: 02/02/22 15:11 sample Depth: 6 in Method: 8021B - Volatile Orga Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200 tge Organics (DR Result <50.0	GC) Qualifier U U U U U Qualifier S1+ Qualifier U O) (GC) Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared Prepared	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 15:11 Analyzed 02/07/22 15:11	Dil Fac
Client Sample ID: 6 bate Collected: 02/01/22 13:30 bate Received: 02/02/22 15:11 sample Depth: 6 in Method: 8021B - Volatile Orga Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200 oge Organics (DR4 Result <50.0	GC) Qualifier U U U U U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC)	RL 0.00200 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 0.00200 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D D D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared Prepared Prepared Prepared	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 13:38 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58	Dil Fac Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 6 hate Collected: 02/01/22 13:30 hate Received: 02/02/22 15:11 hample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 202 86 TEX Calculation Result <0.00200 nge Organics (DR Result <50.0 ange Organics (DI) Result	GC) Qualifier U U U U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit unit unit	D D D	Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared 02/03/22 10:10 Prepared Prepared Prepared	Analyzed 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 02/04/22 23:38 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed	Dil Fac

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lient: Environmental Oilfield Solutio	ons LLC	Glieff	a oumpie Rea				Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
lient Sample ID: 6						Lab Samp	le ID: 880-10	912-11
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 16:58	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			02/04/22 12:21	02/07/22 16:58	1
o-Terphenyl (Surr)	108		70 - 130			02/04/22 12:21	02/07/22 16:58	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		24.8	mg/Kg		·	02/09/22 18:25	5
light Sample ID: 6						l ah Sama	In ID: 880 40	012 12
nent Sample ID: 0						Lau Samp	ie ID: 000-10	512-12
ate Collected: UZ/01/22 13:30							Matri	x; solid
ate Received: 02/02/22 15:11 ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds (GCL						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201	ma/Ka	- 124	02/03/22 10:10	02/05/22 00:05	1
Toluene	< 0.00201	U	0.00201	ma/Ka		02/03/22 10:10	02/05/22 00:05	1
o-Xylene	< 0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/05/22 00:05	:1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/05/22 00:05	1
m,p-Xylenes	< 0.00402	U	0.00402	mg/Kg		02/03/22 10:10	02/05/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130			02/03/22 10:10	02/05/22 00:05	1
1,4-Dilluorobenzene (Surr)	83		70.130			02/03/22 10:10	02/05/22 00:05	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte Total RTEV	Result	Qualifier	RL 0.00200	Unit	D	Prepared	Analyzed	Dil Fac
Iotal BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	73
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Rang	e Organics (D)	ROL (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-CA-C10	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 17:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 17:18	:1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			02/04/22 12:21	02/07/22 17:18	1
o-Terphenyl (Surr)	114		70 - 130			02/04/22 12:21	02/07/22 17:18	1
Method: 300.0 - Anione Jon Chro	matography	Soluble						
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
	454		5.00	ma/Ka			02/09/22 18:30	1
Chloride	and the second se		9.00					

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	<i></i>	Clieff	a oumpie Nea	Juito				
lient: Environmental Oilfield Solu roiect/Site: Cheddar RP Final Sa	utions, LLC amples						Job ID: 880- SDG: Lea Cou	10912-1 ntv NM
liset Secols ID: 7	ampioo					Lab Came	L- 1D- 000 40	042.42
lient Sample ID: 7						Lab Samp	ie ID: 880-10	912-13
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8024B Volatile Organ	nic Compounde /	601						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 00:32	1
Toluene	< 0.00202	U	0.00202	ma/Ka		02/03/22 10:10	02/05/22 00:32	1
p-Xviene	<0.00202	U	0.00202	ma/Ka		02/03/22 10:10	02/05/22 00:32	1
Ethylhenzene	<0.00202	u.	0.00202	ma/Ka		02/03/22 10:10	02/05/22 00:32	1
m p-Xvlenes	<0 00404	а. Н	0.00404	ma/Ka		02/03/22 10.10	02/05/22 00:32	1
intp rejuines	-0.00101		0.00101			02/00/22 10.10	02/00/22 00:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130			02/03/22 10:10	02/05/22 00:32	1
1,4-Difluorobenzene (Surr)	89		70_130			02/03/22 10:10	02/05/22 00:32	1
jas (5. 57.0								
Method: Total BTEX - Total BTE	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Rang	ge Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/08/22 16:56	1
Method: 8045B NM Discal Da	nga Organice (D	001/001						
Analyte	Recult	Qualifier	PI	Unit	п	Propared	Analyzed	Dil Eac
Gasoline Range Organics	<40.0	II	40.0	malka		02/04/22 12:21	02/07/22 17:30	1
(GRO)-C8-C10	10.0	U	10.0			OLIGITEL TELET	deserver mos	58
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 17:39	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 17:39	1
Surroyate	%Recovery	Qualifier	Limits			Prenared	Analyzed	Dil Eac
1_Chlomoctane (Surr)	102	Quanner	70 130			02/04/22 12:21	02/07/22 17:39	1
o Tembenul (Surri	104		70 130			02/04/22 12:21	02/07/22 17:39	
e respirenti (oun)	704		10-130			0200122 12.21	5201122 11.33	1
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.00	mg/Kg			02/10/22 11:48	1
light Sample ID: 7						Lah Samn	In ID: 880 10	012 14
nem Sample ID. 7						Lan Samp	IE ID. 000-10	J12-14
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organ	nic Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 00:58	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 00:58	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 00:58	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 00:58	1
m,p-Xylenes	< 0.00401	U	0.00401	mg/Kg		02/03/22 10:10	02/05/22 00:58	1
		C	1202 Barris Color				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Prepared	Analyzed	Dil Fac
02/03/22 10:10	02/05/22 00:58	1
02/03/22 10:10	02/05/22 00:58	1

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1,4-Difluorobenzene (Surr)

lient: Environmental Oilfield Soluti	ons, LLC	Clien	Coample Rea	suits			Job ID: 880-	10912-1
roject/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
Client Sample ID: 7						Lab Samp	le ID: 880-10	912-14
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: Total BTEX - Total BTE)	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)	10.22	1022102	120	2 0	02037-23	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:00	1
(GRO)-C8-C10								
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:00	1
Oll Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:00	1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analvzed	Dil Fac
1-Chlorooctane (Surr)	97	1.00000000	70 - 130			02/04/22 12:21	02/07/22 18:00	1
o-Terphenyl (Surr)	95		70 - 130			02/04/22 12:21	02/07/22 18:00	1
And and a second statements of the second								
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		24.9	mg/Kg			02/09/22 18:40	5
lient Sample ID: 8						Lab Samo	le ID: 880-10	912-15
ate Collected: 02/01/22 13:30						oump	Matri	v: Solid
ate Received: 02/01/22 15:50							mauri	A. 3010
ample Depth: 6 in								
Method: 8021B - Volatile Organic Analyte	Compounds (GC)	DI	Hait	D	Proposed	Anabrand	
Benzone	<0.00200	LI	0.00200	malka		02/03/22 40-10	02/05/22 01-25	UNI Fall
Tokuono	~0.00200		0.00200	mgrkg		02/03/22 10:10	02/05/22 01:20	
a Vulana	<0.00200		0.00200	mgrkg		02/03/22 10:10	02/00/22 01:20	
o-Aylene Ethulbaaaaaa	<0.00200		0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25]
Enyidenzene	<0.00200		0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
m,p-Aylenes	<0.00401	0	0.00401	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	213	S1+	70 - 130			02/03/22 10:10	02/05/22 01:25	1
1,4-Difluorobenzene (Surr)	94		70 _ 130			02/03/22 10:10	02/05/22 01:25	1
Method: Total BTEV Total BTEV	Calculation							
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Ean
Total BTEX	<0.00200		0.00200	malka		repared	02/07/22 15-11	4
rover of LPN	~0.00200	~	0.00200	mBu/A			J200122 10.11	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<50.0	U	0.00	mg/Kg		02/04/22 12:21	02/07/22 18:21	1

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lient: Environmental Oilfield Solution	ons, LLC						Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
lient Sample ID: 8						Lab Samp	le ID: 880-10	912-15
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			02/04/22 12:21	02/07/22 18:21	1
o-Terphenyl (Surr)	114		70 - 130			02/04/22 12:21	02/07/22 18:21	1
Method: 300.0 Anione Ion Chro	matography	Soluble						
Analyte	Recutt	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	477	squamer	5.02	ma/Ka		repareu	02/00/22 18:45	1
Ginoride	1//		0.02	118118			SERVICE 10.10	
lient Sample ID: 8						Lab Samp	le ID: 880-10	912-16
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds	GCL						
Analyte	Result	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	ma/Ka		02/03/22 10:10	02/05/22 01:52	1
Toluene	<0.00198	U	0.00198	ma/Ka		02/03/22 10:10	02/05/22 01:52	1
o-Xviene	<0.00198	U	0.00198	ma/Ka		02/03/22 10:10	02/05/22 01:52	া
Ethylbenzene	<0.00198	U	0.00198	ma/Ka		02/03/22 10:10	02/05/22 01:52	1
m.p-Xvlenes	<0.00396	U	0.00396	ma/Ka		02/03/22 10:10	02/05/22 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130			02/03/22 10:10	02/05/22 01:52	1
1,4-Difluorobenzene (Surr)	101		70.130			02/03/22 10:10	02/05/22 01:52	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)		44.74				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iotal IPH	<49.9	U	49.9	mg/Kg			02/08/22 10:50	
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	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 18:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 18:42	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 18:42	:1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/04/22 12:21	02/07/22 18:42	1
o-Terphenyl (Surr)	90		70 - 130			02/04/22 12:21	02/07/22 18:42	1
Mathead 2000 0 Anison 2 Of		Calabla						
Method: 300.0 - Anions, Ion Chro	matography -	Soluble		11-24		Desground	Analysis	D2 5-
maiyte	Result	Quantier	KL	Unit	U	Prepared	Analyzed	Dil Fac
011 11			E D A					

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lient: Environmental Oilfield Soluti	ons LLC						Job ID: 880.	10912-1
Project/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
lient Sample ID: 9						Lab Samp	le ID: 880-10	912-17
Date Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
Sample Depth: 6 in								
-								
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/05/22 02:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/05/22 02:18	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/05/22 02:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/05/22 02:18	1
m.p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/03/22 10:10	02/05/22 02:18	:1
\$7.00.000.00				87.6234				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	219	S1+	70 - 130			02/03/22 10:10	02/05/22 02:18	1
1,4-Difluorobenzene (Surr)	94		70_130			02/03/22 10:10	02/05/22 02:18	1
es de 1870								
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
				6.1977.0077.0				
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	ma/Ka		2001 C COUCH	02/08/22 16:56	1
		157 177	100000					12
Method: 8015B NM - Diesel Rand	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	ma/Ka		02/04/22 12:21	02/07/22 19:03	1
(GRO)-C8-C10	N. 1997		C					
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:03	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			02/04/22 12:21	02/07/22 19:03	1
o-Terphenyl (Surr)	83		70 - 130			02/04/22 12:21	02/07/22 19:03	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.3		5.05	mg/Kg			02/09/22 19:38	1
lient Sample ID: 9						Lab Samp	le ID: 880-10	912-18
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
-								
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 02:45	1
Toluene	< 0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 02:45	1
o-Xviene	<0.00202	U	0.00202	ma/Ka		02/03/22 10:10	02/05/22 02:45	1
Ethylbenzene	<0.00202	U	0.00202	ma/Ka		02/03/22 10:10	02/05/22 02:45	1
m n_Xvlenes	<0.00202	ŭ	0.00202	malka		02/03/22 10:10	02/05/22 02:45	4
inde valiences	~0.00403	~	0.00403	mBur/A		02100/22 10.10	02/00/22 02:40	
Surrogate	%Recovery	Qualifier	l imits			Prepared	Analyzed	Dil Fac
4-Bromofluorohenzene (Suzt)	24	S1-	70 . 130			02/03/22 10-10	02/05/22 02:45	4
i cromonuoropenzene (ouri)	21	51-	10-100			00/00/00 40.40	00/05/00 00.45	
1 4 Diffuorobonzono /Surri	1.4		70 450					

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lient: Environmental Oilfield Solutio	ns. LLC	Clien	L Sample Re	suits			Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
Client Sample ID: 9						Lab Samp	le ID: 880-10	912-18
ate Collected: 02/01/22 13:30							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 4 ft								
	232 32/02							
Method: Iotal BIEX - Iotal BIEX	Calculation	0.55					12000000	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iotal BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	ma/Ka		- repares	02/08/22 16:56	1
Method: 8015B NM - Diesel Range	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:24	1
(GRO)-C8-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:24	া
OIL Range Organics (Over C29_C28)	<50.0		50.0	malka		02/04/22 12:21	02/07/22 10-24	24
on the organiss (over ozo-oou)	~50.0	1	00.0	11/8/17/8		SERVICE 12.21	SERVICE 10.24	6.5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			02/04/22 12:21	02/07/22 19:24	1
o-Terphenyl (Surr)	92		70 - 130			02/04/22 12:21	02/07/22 19:24	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		25.0	mg/Kg			02/09/22 19:43	5
Client Sample ID: 10						Lab Samp	le ID: 880-10	912-19
Date Collected: 02/01/22 13:30							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 6 in								
Mathead Booking Market C	C	00						
Method: 8021B - Volatile Organic	Compounds (GC)	DI	11-3		Drog and	Anatomi	Date
Renzono	ch notice	utuannier	NL 0.00100	Unit	U	noinupo ne-re	Analyzed	DIFAC
Telucer	~0.00199	0 -1 -2	0.00199	mgrkg		02/04/22 08:11	02/04/22 20:23	
ioiuene - Voless	<0.00199	01112	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
o-xylene	<0.00199	0 11 12	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23]
curyuenzene m a Vulcaas	<0.00199	UF1F2	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	3
ni,p-Aylenes	<0.00398	UFIF2	0.00398	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofiuorobenzene (Surr)	126		70 - 130			02/04/22 08:11	02/04/22 20:23	1
1,4-Difluorobenzene (Surr)	120		70_130			02/04/22 08:11	02/04/22 20:23	1
an anna ann a ceinne an anns an thairte anns an thairte anns anns anns anns anns anns anns ann								
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/08/22 16:56	1
	Organica (D	POL/CCL						
Mothodi Q04CD Mill Discould		Fr 11 11 - 1						
Method: 8015B NM - Diesel Range	e Organics (Di	Ounlifier	DI	Unit	P	Drepared	Anahmad	Dil Con
Method: 8015B NM - Diesel Range Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F

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lient: Environmental Oilfield Soluti	ons, LLC	Short	- Sumple ite				Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
lient Sample ID: 10						Lab Samp	le ID: 880-10	912-19
ate Collected: 02/01/22 13:30						-	Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 19:46	1
Oll Range Organics (Over C28-C38)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			02/04/22 12:21	02/07/22 19:46	1
o-Terphenyl (Surr)	75		70 - 130			02/04/22 12:21	02/07/22 19:46	1
Method: 300.0 - Anions Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		24.9	mg/Kg			02/09/22 19:48	5
	102			.00				
lient Sample ID: 10						Lab Samp	le ID: 880-10	912-20
ate Collected: 02/01/22 13:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds	GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 20:43	1
Toluene	< 0.00200	U	0.00200	ma/Ka		02/04/22 08:11	02/04/22 20:43	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 20:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 20:43	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/22 08:11	02/04/22 20:43	1
			11-1900 C A 17					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofiuorobenzene (Surr)	117		70 - 130			02/04/22 08:11	02/04/22 20:43	1
1,4-Dilluorobenzene (Surr)	102		70.130			02/04/22 08:11	02/04/22 20:43	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Methods 2045 NM Dissel Dange	Organias (DD	0) (CC)						
Analida, ou to NM - Diesel Range	Organics (DR	Ouglifier	DI	Unit	n	Propertod	Anahorad	Dil Eso
Total TPH	<49.9	U	49.9	ma/Ka		Trepared	02/08/22 16:56	1
	1007	-						
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 20:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 20:06	া
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			02/04/22 12:21	02/07/22 20:06	1
o-Terphenyl (Surr)	108		70 - 130			02/04/22 12:21	02/07/22 20:06	1
Mathod: 300.0 Aniona los Cha-	matography	Soluble						
Analyte	Recut	Qualifier	PI	Unit	D	Prepared	Analyzed	Dil Eao
in any te	nesult	Strainiei	5.00	mall/a		richaien	02/10/22 12:02	Lon Fac
Chloride							the second second second	

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lient: Environmental Oilfield Solution	ons, LLC						Job ID: 880-	10912-1
Project/Site: Cheddar RP Final Sam	ples						SDG: Lea Cou	nty, NM
Client Sample ID: 11						Lab Samp	le ID: 880-10	912-21
Date Collected: 02/01/22 14:00							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 6 in								
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/04/22 08:11	02/04/22 21:03	1
Toluene	< 0.00198	U	0.00198	mg/Kg		02/04/22 08:11	02/04/22 21:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/04/22 08:11	02/04/22 21:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/04/22 08:11	02/04/22 21:03	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/04/22 08:11	02/04/22 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prenared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/04/22 08-11	02/04/22 21:03	1
1 4-Difluorobenzene (Surr)	87		70 130			02/04/22 08-11	02/04/22 21:03	
.,	07					5LIGW22 00.11	520 WLE 21.00	~1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR)	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	ma/Ka		- repared	02/08/22 16:56	1
	10.000 A		10.000					18
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	U	50.0	mg/Kg		02/04/22 13:33	02/05/22 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 13:33	02/05/22 22:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 13:33	02/05/22 22:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			02/04/22 13:33	02/05/22 22:30	1
o-Terphenyl (Surr)	71		70 - 130			02/04/22 13:33	02/05/22 22:30	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.2		5.00	mg/Kg			02/09/22 20:07	1
lient Sample ID: 11						Lah Samo	In ID: 880 10	912 22
Shert Sumple ID. Th						Lan Samp	10.000-10	E-EE
Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11							Matri	x: Solid
Sample Depth <mark>:</mark> 4 ft								
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 21:24	1
Toluene	<0.00199	U	0.00199	ma/Ka		02/04/22 08:11	02/04/22 21:24	1
o-Xvlene	<0.00199	U	0.00199	ma/Ka		02/04/22 08-11	02/04/22 21:24	1
Ethylbenzene	<0.00100	u.	0.00199	ma/Ka		02/04/22 08-11	02/04/22 21:24	
m.p-Xvlenes	<0.00398	U	0.00398	ma/Ka		02/04/22 08-11	02/04/22 21:24	1
and a second	-0.00000	8	2.22.300			5410 Hat 00.11		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130			02/04/22 08:11	02/04/22 21:24	1
1.4-Difluorobenzene (Surr)	75		70_130			02/04/22 08:11	02/04/22 21:24	1

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	utions, LLC	Clien	t Sample Re	Suits			Job ID: 880-	10912-1
vroject/Site: Cheddar RP Final Sa	amples						SDG: Lea Cou	inty, NM
Client Sample ID: 11						Lab Samp	le ID: 880-10	912-22
Date Collected: 02/01/22 14:00							Matri	x: Solid
)ate Received: 02/02/22 15:11								
sample Depth: 4 ft								
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	ma/Ka		Trepared	02/07/22 15:11	1
	0.00200	Č.	0.00200				defonite form	112
Method: 8015 NM - Diesel Ran	ge Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/08/22 16:56	1
- Service of Tay Table			6588-602					
Method: 8015B NM - Diesel Ra	nge Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/05/22 23:34	1
(GRO)-C6-C10	1000-54 B.C		Sector C.S.				2-502 Alexandro 2012 Alexandro 71	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/05/22 23:34	<u>_1</u>
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/05/22 23:34	1
S	4/5	0	1.5					0.75
surrogate	%Recovery	Quaimer	Limits			Prepared	Analyzed	Dil Fac
1-Gnorooctane (Surr)	91		70 - 130			02/04/22 13:33	02/05/22 23:34	1
o-Terphenyl (Surr)	91		70 - 130			02/04/22 13:33	02/05/22 23:34	1
Method: 300.0 Anione los Ch	romatography	Solubla						
Analyte	Recut	Qualifier	RI	Unit	n	Prepared	Analyzed	Dil Eso
Chlorida	200	spanner	4 00	malka		riepared	02/00/22 20.12	4
Chioride	290		4.88	TIG/T G			02/08/22 20.12	
				1.000 = 50 = 01				
lient Sample ID: 12						Lab Samp	le ID: 880-10	912-23
Client Sample ID: 12 Nate Collected: 02/01/22 14:00						Lab Samp	le ID: 880-10 Matri	912-23 x: Solid
Client Sample ID: 12 Nate Collected: 02/01/22 14:00 Nate Received: 02/02/22 15:11				1000-500-01		Lab Samp	le ID: 880-10 Matri	912-23 x: Solid
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in				1000-520-51		Lab Samp	le ID: 880-10 Matri	912-23 ix: Solid
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in	nia Compoundo I	(c)				Lab Samp	le ID: 880-10 Matri	912-23 ix: Solid
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ	nic Compounds (Result	GC) Qualifier	RI	Unit	р	Lab Samp	le ID: 880-10 Matri	912-23 ix: Solid
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene	nic Compounds (Result	GC) Qualifier	RL	Unit malka	D	Prepared	Le ID: 880-10 Matri Analyzed	912-23 ix: Solid Dil Fac
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Tokumo	nic Compounds (Result <0.00200 <000200	GC) Qualifier U	RL 0.00200	Unit mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 09:44	le ID: 880-10 Matri 02/04/22 21:44	912-23 ix: Solid Dil Fac
Client Sample ID: 12 Jate Collected: 02/01/22 14:00 Jate Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene O Vulene	nic Compounds (Result <0.00200 <0.00200	GC) Qualifier U U	RL 0.00200 0.00200	Unit mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac
Client Sample ID: 12 Jate Collected: 02/01/22 14:00 Jate Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene	nic Compounds (Result <0.00200 <0.00200 <0.00200	GC) Qualifier U U U	RL 0.00200 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200	GC) Qualifier U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400	GC) Qualifier U U U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00200 0.00400	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery	GC) Qualifier U U U U U U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 0 1 Dil Fac
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr)	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121	GC) Qualifier U U U U U U U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 Analyzed 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1.4-Difluorobenzene (Surr)	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87	GC) Qualifier U U U U U U U U U U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87	GC) Qualifier U U U U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 Analyzed 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation	GC) Qualifier U U U U U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTI Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result	GC) Qualifier U U U U U Qualifier Qualifier	RL 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	Le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTI Analyte Total BTEX	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200	GC) Qualifier U U U U U Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	_ D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44	912-23 (x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200	GC) Qualifier U U U U U U U Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 Prepared	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:41 02/04/22 11:41	912-23 x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Ram	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR4	GC) Qualifier U U U U U Qualifier U O) (GC)	RL 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared	Analyzed 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 11:41	912-23 x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR4	GC) Qualifier U U U U Qualifier U O) (GC) Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared	Le ID: 880-10 Matri D2/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 Analyzed 02/07/22 15:11 Analyzed	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TFH	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR(Result <50.0	GC) Qualifier U U U U Qualifier U O) (GC) Qualifier U	RL 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/07/22 15:11 Analyzed 02/08/22 16:56	912-23 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR Result <50.0	GC) Qualifier U U U U Qualifier U O) (GC) Qualifier U	RL 0.00200 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	le ID: 880-10 Matri 02/04/22 21:44 02/04/22 15:11 Analyzed 02/07/22 15:56	912-23 ix: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR/ Result <50.0 mge Organics (DI)	GC) Qualifier U U U U Qualifier U O) (GC) Qualifier U RO) (GC)	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 Prepared	le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/07/22 15:11 Analyzed 02/08/22 16:56	912-23 x: Solid Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 12 Date Collected: 02/01/22 14:00 Date Received: 02/02/22 15:11 Sample Depth: 6 in Method: 8021B - Volatile Organ Analyte Benzene Toluene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte	nic Compounds (Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00400 %Recovery 121 87 EX Calculation Result <0.00200 ge Organics (DR Result <50.0 nge Organics (DI	GC) Qualifier U U U U Qualifier U Qualifier U Qualifier U Qualifier U Qualifier	RL 0.00200 0.00200 0.00200 0.00200 0.00400 Limits 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit mg/Kg	D	Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 Prepared 02/04/22 08:11 Prepared Prepared	le ID: 880-10 Matri 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/04/22 21:44 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed	912-23 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Eurofins Midland

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ent: Environmental Oilfield Solutio	ns, LLC		•				Job ID: 880-	10912-1
oject/Site: Cheddar RP Final Samp	oles						SDG: Lea Cou	nty, NM
ient Sample ID: 12						Lab Samp	le ID: 880-10	912-23
te Collected: 02/01/22 14:00							Matri	x: Solid
te Received: 02/02/22 15:11								
mple Depth: 6 in								
lethod: 8015B NM - Diesel Range	Organics (DI	RO) (GC) (0	Continued)					
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
iesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 13:33	02/06/22 05:24	1
10-C28)	1722-121		0200	1003			0000000000000	83
II Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 13:33	02/06/22 05:24	1
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
-Chlorooctane (Surr)	96		70 - 130			02/04/22 13:33	02/06/22 05:24	1
-Terphenyl (Surr)	97		70 - 130			02/04/22 13:33	02/06/22 05:24	1
lethod: 300.0 - Anions, Ion Chron	natography -	Soluble						D.7 5
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
hloride	11.4		4.95	mg/Kg			02/09/22 20:17	ា
ient Sample ID: 12						Lab Samp	le ID: 880-10	912-24
te Collected: 02/01/22 14:00							Matri	x: Solid
te Received: 02/02/22 15:11								
mple Depth: 4 ft								
lethod: 8021B - Volatile Organic	Compounds (GC)						
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
enzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
oluene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
thylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
n,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
		Qualifier	Limits			Prepared	Analyzed	Dil Fac
urrogate	%Recovery					02/04/02 00-44	00/04/00 00.05	1
urrogate Bromofiuorobenzene (Surr)	%Recovery 131	S1+	70 - 130			02/04/22 00.11	02/04/22 22.03	
urrogate -Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr)	%Recovery 131 116	S1+	70 - 130 70 - 130			02/04/22 08:11	02/04/22 22:05	1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr)	%Recovery 131 116	S1+	70 - 130 70 - 130			02/04/22 08:11	02/04/22 22:05	1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX	%Recovery 131 116 Calculation	S1+	70 - 130 70 - 130			02/04/22 08:11	02/04/22 22:05	1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte	%Recovery 131 116 Calculation Result	S1+ Qualifier	70 - 130 70 - 130 RL	Unit	D	02/04/22 08:11 02/04/22 08:11 Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed	1 Dil Fac
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte stal BTEX	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U	70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/04/22 08:11 02/04/22 08:11 Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11	1 Dil Fac
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U	70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/04/22 08:11 02/04/22 08:11 Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11	1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range (%Recovery 131 116 Calculation Result <0.00200 Organics (DR(S1+ Qualifier U D) (GC)	70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/04/22 08:11 02/04/22 08:11 Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11	1 Dil Fac 1
urrogate Bromofiluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range (nalyte otal TDM	%Recovery 131 116 Calculation Result <0.00200 Organics (DR(Result	S1+ Qualifier U D) (GC) Qualifier	70 - 130 70 - 130 RL 0.00200 RL	Unit mg/Kg Unit mg//cg	D	02/04/22 08:11 02/04/22 08:11 Prepared Prepared	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed	1 Dil Fac 1 Dil Fac
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range (nalyte otal TPH	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U D) (GC) Qualifier U	70 - 130 70 - 130 RL 0.00200 RL 49.9	Unit mg/Kg Unit mg/Kg	D	02/04/22 08:11 02/04/22 08:11 Prepared Prepared	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56	1 Dil Fac 1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range (nalyte otal TPH lethod: 8015B NM - Diesel Range	%Recovery 131 116 Calculation Result <0.00200 Organics (DR/ Result <49.9	S1+ Qualifier U D) (GC) Qualifier U RO) (GC)	70 - 130 70 - 130 RL 0.00200 RL 49.9	Unit mg/Kg Unit mg/Kg	D	02/04/22 08:11 Prepared Prepared	02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56	1 Dil Fac 1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range nalyte tal TPH lethod: 8015B NM - Diesel Range nalyte	%Recovery 131 116 Calculation Result <0.00200 Organics (DR Result <49.9 c Organics (DI Result	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier	70 - 130 70 - 130 RL 0.00200 RL 49.9	Unit mg/Kg Unit mg/Kg Unit	D D	Prepared Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58 Analyzed	1 Dil Fac 1 Dil Fac 1 Dil Fac
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range nalyte otal TPH lethod: 8015B NM - Diesel Range nalyte asoline Range Organics	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg	D D D	02/04/22 08.11 Prepared Prepared Prepared 02/04/22 13:33	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44	1 Dil Fac Dil Fac 1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte stal BTEX lethod: 8015 NM - Diesel Range (nalyte otal TPH lethod: 8015B NM - Diesel Range asoline Range Organics 3RO)-C6-C10	%Recovery 131 136 Calculation Result <0.00200 Organics (DR Result <49.9 e Organics (DI Result <49.9	S1+ Qualifier U D) (GC) Qualifier U RO) (GC) Qualifier U	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg	D D D	02/04/22 08:11 Prepared Prepared Prepared 02/04/22 13:33	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44	1 Dil Fac Dil Fac 1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte stal BTEX lethod: 8015 NM - Diesel Range (nalyte stal TPH lethod: 8015B NM - Diesel Range soline Range Organics GRO)-C6-C10 liesel Range Organics (Over	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U Qualifier U RO) (GC) Qualifier U U U U	70 - 130 70 - 130 RL 0.00200 RL 40.9 RL 49.9 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	02/04/22 08:11 Prepared Prepared 02/04/22 13:33 02/04/22 13:33	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) 1ethod: Total BTEX - Total BTEX nalyte otal BTEX 1ethod: 8015 NM - Diesel Range (nalyte otal TPH 1ethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-C6-C10 liesel Range Organics (Over 10-C28)	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	D2/04/22 08:11 Prepared Prepared O2/04/22 13:33 O2/04/22 13:33 O2/04/22 13:33	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/08/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range (nalyte otal TPH Iethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-C6-C10 liesel Range Organics (Over 10-C28) III Range Organics (Over C28-C38)	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U Qualifier U RO) (GC) Qualifier U U U U	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D D D	D2/04/22 08:11 Prepared Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range (nalyte otal TPH lethod: 8015B NM - Diesel Range (nalyte saoline Range Organics SRO)-C6-C10 liesel Range Organics (Over 10-C28) II Range Organics (Over C28-C38) urrogate	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	02/04/22 08:11 Prepared Prepared 02/04/22 08:11 Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 Prepared	02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/08/22 05:44 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range nalyte total TPH lethod: 8015B NM - Diesel Range nalyte assoline Range Organics GRO)-C6-C10 lisesel Range Organics (Over 10-C28) III Range Organics (Over C28-C36) urrogate -Chlorooctane (Surr)	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 49.9 49.9 20.9 20.9 20.130	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D D	D2/04/22 08:11 Prepared Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44 02/06/22 05:44 Analyzed 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range nalyte otal TPH Iethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-02-010 iesel Range Organics (Over 10-028) III Range Organics (Over 10-028) III Range Organics (Over Chorooctane (Surr) -Terphenyl (Surr)	%Recovery 131 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	70 - 130 70 - 130 70 - 130 RL 0.00200 RL 49.9 49.9 49.9 49.9 49.9 570 - 130 70 - 130	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	D2/04/22 08:11 Prepared Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/08/22 05:44 02/06/22 05:44 Analyzed 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range nalyte otal TPH Iethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-02-010 iesel Range Organics (Over 10-028) III Range Organics (Over 10-028) III Range Organics (Over Chlorocotane (Surr) -Terphenyl (Surr)	%Recovery 131 131 116 Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier	70 - 130 70 - 130 70 - 130 RL 0.00200 RL 49.9 49.9 49.9 49.9 49.9 200 200 200 200 200 200 200 200 200 20	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	D2/04/22 08:11 Prepared Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33	02/04/22 22:03 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58 Analyzed 02/08/22 05:44 02/08/22 05:44 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range nalyte otal TPH Iethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-C6-C10 iesel Range Organics (Over 10-C28) III Range Organics (Over C28-C38) urrogate -Chlorocotane (Surr) -Terphenyl (Surr) Iethod: 300.0 - Anions, Ion Chron	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier Soluble	70 - 130 70 - 130 RL 0.00200 RL 49.9 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	D2/04/22 08:11 Prepared Prepared 02/04/22 08:11 Prepared 02/04/22 08:11 Prepared 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33 02/04/22 13:33	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1
urrogate Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Iethod: Total BTEX - Total BTEX nalyte otal BTEX Iethod: 8015 NM - Diesel Range (nalyte otal TPH Iethod: 8015B NM - Diesel Range nalyte asoline Range Organics SRO)-C8-C10 iesel Range Organics (Over 10-C28) II Range Organics (Over C28-C38) urrogate -Chlorooctane (Surr) -Terphenyl (Surr) Iethod: 300.0 - Anions, Ion Chron nalyte	%Recovery 131 116 Calculation Result <0.00200	S1+ Qualifier U Qualifier U RO) (GC) Qualifier U U U U Qualifier Soluble Qualifier	70 - 130 70 - 130 RL 0.00200 RL 40.9 40.9 40.9 40.9 40.9 40.9 40.9 40.9	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	D2/04/22 08:11 Prepared Prepared D2/04/22 13:33 Prepared	02/04/22 22:05 02/04/22 22:05 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44 02/06/22 05:44	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

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		onon					120220200000000	
lient: Environmental Oilfield Soluti	ions, LLC						Job ID: 880-	10912-1
Project/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
Client Sample ID: 13						Lab Samp	le ID: 880-10	912-25
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11								Al Colla
ample Depth: 6 in								
ampie Deptit. o m								
Method: 8021B - Volatile Organic	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/04/22 22:25	1
Toluene	< 0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/04/22 22:25	1
o-Xylene	< 0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/04/22 22:25	1
Ethylbenzene	< 0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/04/22 22:25	1
m,p-Xylenes	< 0.00404	U	0.00404	mg/Kg		02/04/22 08:11	02/04/22 22:25	1
8 (1995)								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	100000000	70 - 130			02/04/22 08:11	02/04/22 22:25	1
1.4-Difluorobenzene (Surr)	82		70 _ 130			02/04/22 08-11	02/04/22 22:25	1
,								~
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	ma/Ka			02/07/22 15:11	1
	-0.002.00	S.						
Method: 8015 NM - Diesel Pange	Organics (DP	0) (GC)						
Analyte	Result	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<40.0	U	40.0	malka		. repares	02/08/22 18-58	1
	~48.8		70.0	III BILLY			02100/22 10.00	18
Method: 8015B NM - Diesel Ran	e Organics (D	RO) (GC)						
Analyte	Recult	Qualifier	RI	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Omanics	<40.0		40.0	malka		02/04/22 12:22	02/08/22 08-05	4
GROJ-C6-C10	~48.8	5	78.8	mgmg		02107122 13.33	02100/22 00.00	9
Diesel Range Organics (Over	<49.9	U	49.9	ma/Ka		02/04/22 13:33	02/06/22 06:05	1
C10-C28)								-3
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/06/22 06:05	1
		<i>₩</i>					224125336336355	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			02/04/22 13:33	02/06/22 06:05	1
o-Terphenyl (Surr)	115		70 - 130			02/04/22 13:33	02/06/22 06:05	1
			12020 2222			The state of the state		्य
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03	ma/Ka			02/09/22 20:26	1
2 2007 20 7		1072)	7757533					12
lient Sample ID: 13						Lab Samp	le ID: 880-10	912-26
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11							- match	
ample Depth: 4 ft								
andra populi i fi								
Method: 8021B - Volatile Organic	c Compounds	GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	ma/Ka		02/04/22 08:11	02/04/22 22:45	1
Toluene	<0.00100		0.00100	malka		02/04/22 09-14	02/04/22 22:45	
a Vulana	~0.00199		0.00188	mgmg		02/04/22 00.11	02/04/22 22:40	
o-Ayiene	<0.00199		0.00199	mg/Kg		02/04/22 08:11	02/04/22 22:40]
Enyibenzéne	<0.00199		0.00199	mg/Kg		02/04/22 08:11	02/04/22 22:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/04/22 08:11	02/04/22 22:45	1
P	%/D	Qualities	1 inclus			Deserved	Anatomic	025
surrogate	%Recovery	quaimer	Limits			Prepared	Analyzed	Dil Fac
4-Bromotiuorobenzene (Surr)	120		70 - 130			02/04/22 08:11	02/04/22 22:45	1
			70 100				AD 10 4 10 0 0.0 40	

1,4-Difluorobenzene (Surr)

Eurofins Midland

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lient: Environmental Oilfield Solutions, LLC		Clieft	Coample Rea	Sulla			Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Samples							SDG: Lea Cou	nty, NM
lient Sample ID: 13						Lab Samp	le ID: 880-10	912-26
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: Total BTEX - Total BTEX Calculati	ion	N2100212005	01222	022220	1423.0	12/10/01/12	020020002	10000000
Analyte R	lesult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX <0.0	0200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM Diesel Dange Organice	IND							
Analyte Range Organics	locult	Ouslifier	PI	Unit	D	Propared	Analyzed	Dil Eac
Total TPH	250.0		50.0	malka	U	Frepareu	02/07/22 11-51	1
iotal IPH	-00.0	U	50.0	mgrog			02/01/22 11:51	- 2
Method: 8015B NM - Diesel Range Organic	s (Di	RO) (GC)						
Analyte R	lesult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	1
(GRO)-C8-C10			10000	0.00			0.0000000000000000000000000000000000000	
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	<u></u> 1
C10-C28)			50.0			001040004445	000700 04 44	84
Oli Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	1
Surrogate %Rece	overv	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			02/04/22 11-12	02/07/22 01:44	1
o-Ternhenyl (Surr)	71		70 - 130			02/04/22 11-12	02/07/22 01:41	4
	22		10-100				5501122 01.71	10
Method: 300.0 - Anions, Ion Chromatograp	hy -	Soluble						
Analyte R	lesult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.43	F1	5.05	mg/Kg			02/09/22 20:31	1
						0. 19/12: 1		
Client Sample ID: 14						Lab Samp	le ID: 880-10	912-27
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8021B - Volatile Organic Compour	nde (GCL						
Analyte R	lesult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene <0.0	0200	U	0.00200	ma/Ka		02/04/22 08-11	02/04/22 23:08	1
Toluene c0.0	0200		0.00200	ma/Ka		02/04/22 08-11	02/04/22 23:08	4
o.Xvlene <0.0	10200	ŭ.	0.00200	mgrkg		02/04/22 00:11	02/04/22 23:00	1
Ethylhenzene 20.0	10200	U U	0.00200	mgrkg		02/04/22 00.11	02/04/22 23:00	
m n Yulonon -0.0	10404	U U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:00	
mp-cyclies <0.0	10401	0	0.00401	mgwg		02/04/22 08:11	02/04/22 23:00	1
Surrogate %Rece	overy	Qualifier	Limits			Prepared	Analyzed	Dil Fac
and the second sec	142	S1+	70 - 130			02/04/22 08:11	02/04/22 23:06	1
4-Bromofluorobenzene (Surr)		paneo principali				02/04/22 08:11	02/04/22 23:06	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	122		70.130					
4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)	122		70.130					
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati	122		70_130					
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R	122 ion lesult	Qualifier	70_130 RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0	122 ion lesult	Qualifier U	70 - 130 RL 0.00200	Unit mg/Kg	D	Prepared	Analyzed 02/07/22 15:11	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0	122 ion Result	Qualifier U	70 _ 130 RL 0.00200	Unit mg/Kg	D	Prepared	Analyzed 02/07/22 15:11	Dil Fac 1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics	122 ion Result 10200	Qualifier U	70_130 	Unit mg/Kg	D	Prepared	Analyzed 02/07/22 15:11	Dil Fac 1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics Analyte R	122 ion lesuit 10200 (DR) Resuit	Qualifier U D) (GC) Qualifier	70_130 RL 0.00200 RL	Unit mg/Kg Unit	D	Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed	Dil Fac 1 Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics Analyte R Total TPH	122 ion lesuit 0200 (DR) lesuit <50.0	Qualifier U D) (GC) Qualifier U	70_130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics Analyte R Total TPH	122 ion Result 10200 (DR) Result <50.0	Qualifier U D) (GC) Qualifier U	RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics Analyte R Total TPH · · ·	122 ion Result 10200 (DR(Result <50.0 cs (DI	Qualifier U D) (GC) Qualifier U RO) (GC)	RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calculati Analyte R Total BTEX <0.0 Method: 8015 NM - Diesel Range Organics Analyte R Total TPH Method: 8015B NM - Diesel Range Organic Analyte R	122 ion lesuit 0200 (DRC lesuit <50.0 cs (DI lesuit	Qualifier U D) (GC) Qualifier U RO) (GC) Qualifier	RL	Unit mg/Kg Unit mg/Kg Unit	D	Prepared Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed	Dil Fac 1 Dil Fac 1 Dil Fac

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lient: Environmental Oilfield Soluti	ons, LLC	8-77-180-00	•••••	2010/02/20			Job ID: 880-*	10912-1
roject/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
lient Sample ID: 14						Lab Samp	le ID: 880-10	912-27
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rand	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 02:02	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 02:02	1
Surronate	%Pacovan/	Qualifier	Limite			Prenared	Analyzed	Dil Eac
1_Chlomostana (Surr)	RE	quanner	70 130			02/04/22 11-12	02/07/22 02:02	1
o Tembenul (Surri			70 130			02/04/22 11:12	02/07/22 02:02	
o repriety (Jun)			10-150			02/04/22 11.12	0201122 02.02	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.60		5.01	mg/Kg			02/09/22 20:46	1
light Sample ID: 14						I ah Samn	In ID: 880 40	012 29
nem Sample ID: 14						Lan Samp	ie ID. 000-10	512-20
ate Collected: U2/01/22 14:00							Matri	x; solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:26	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:26	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:26	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/22 08:11	02/04/22 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			02/04/22 08:11	02/04/22 23:26	1
1,4-Difluorobenzene (Surr)	96		70.130			02/04/22 08:11	02/04/22 23:26	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
		0-10/04/15/15/15						
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iotal IPH	<49.9	U	49.9	mg/Kg			02/07/22 11:51	
Method: 8015B NM - Diesel Rand	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 02:43	1
(GRO)-C8-C10				anas a ssi a n Constantasi				
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 02:43	1
C10-C28) Oli Rappo Organize (Ouer C28, C28)	240.0		40.0	malia		02/04/22 14-12	02/07/22 02:42	
On Range Organics (Over 028-036)	<49.9		48.8	mg/Kg		02/04/22 11:12	02/01/22/02:43	3
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	107		70 - 130			02/04/22 11:12	02/07/22 02:43	1
Surrogate 1-Chlorooctane (Surr)			70 - 130			02/04/22 11:12	02/07/22 02:43	1
Surrogate 1-Chlorooctane (Surr) p-Terphenyl (Surr)	98							
Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	98	0-1-1-1						
Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro	98 omatography -	Soluble		17-74		Buggered	Analand	D2 5-
Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Analyte	98 omatography - Result	Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared Prepared Prepared Prepared	Job ID: 880- SDG: Lea Cou e ID: 880-10 Matri 02/05/22 00:48 02/05/22 15:11	10912-1 Inty, NM 912-29 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 10:511 Analyzed 02/07/22 11:51	Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared Prepared Prepared	e ID: 880-10 Matri 02/05/22 00:48 02/05/22 15:11 Analyzed 02/07/22 11:51	912-29 ix: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 Prepared Prepared Prepared	Matri Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 Analyzed 02/05/22 00:48 02/05/22 00:48 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac Dil Fac Dil Fac Dil Fac Dil Fac 1 Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 1 1 1 1 <i>Dil Fac</i> 1 Dil Fac 1 Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 10:51 02/07/22 15:51	Dil Fac
Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/05/22 01:48 02/07/22 15:11 02/07/22 11:51	Dil Fac
2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared Prepared	02/05/22 00:48 02/05/22 00:48 02/07/22 15:11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 15:11 Analyzed 02/07/22 11:51	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2/04/22 08:11 2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2/04/22 08:11 2/04/22 08:11 Prepared 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	02/05/22 00:48 02/05/22 00:48 <i>Analyzed</i> 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 <u>Analyzed</u> 02/07/22 11:51	1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
2/04/22 08:11 Prepared 2/04/22 08:11 2/04/22 08:11 Prepared Prepared Prepared	02/05/22 00:48 Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	1 Dil Fac 1 Dil Fac 1 Dil Fac 1
Prepared 2/04/22 08:11 2/04/22 08:11 Prepared Prepared	Analyzed 02/05/22 00:48 02/05/22 00:48 02/05/22 00:48 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1 Dil Fac
2/04/22 08:11 2/04/22 08:11 Prepared Prepared	02/05/22 00:48 02/05/22 00:48 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	f Dil Fac 1 Dil Fac 1
Prepared Prepared	02/05/22 00:48 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac Dil Fac Dil Fac 1
Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fao 1 Dil Fao 1
Prepared Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1
Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	Dil Fac 1 Dil Fac 1
Prepared	02/07/22 15:11 Analyzed 02/07/22 11:51	1 Dil Fac 1
Prepared	Analyzed 02/07/22 11:51	Dil Fac 1
Prepared	Analyzed 02/07/22 11:51	Dil Fac 1
Propagad	02/07/22 11:51	1
Propagad		
Propared		
Propared		
Frepareu	Analyzed	Dil Fac
2/04/22 11:12	02/07/22 03:03	1
2/04/22 11:12	02/07/22 03:03	1
2/04/22 11:12	02/07/22 03:03	1
Prepared	Analyzed	Dil Fac
2/04/22 11:12	02/07/22 03:03	1
2/04/22 11:12	02/07/22 03:03	1
Prepared	Analyzed	Dil Fac
	02/09/22 21:06	1
ab Sample	e ID: 880-10	912-30
	Matri	ix: Solid
	mau	a. Juliu
Bernard	Analysis	DEC
Prepared	Analyzed	Dil Fac
2/04/22 08:11	02/05/22 01:08	1
2/04/22 08:11	02/05/22 01:08	1
2/04/22 08:11	02/05/22 01:08	1
2/04/22 08:11	02/05/22 01:08	1
2/04/22 08:11	02/05/22 01:08	1
Prepared	Analyzed	Dil Ear
2/04/22 08-11	02/05/22 01:08	1
2/04/22 00-44	02/05/22 04:00	
2// 2// F F 2// 2// 2// 2// 2// 2// 2//	04/22 11:12 04/22 11:12 Prepared 04/22 11:12 04/22 11:12 04/22 11:12 Prepared 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11 04/22 08:11	04/22 11:12 02/07/22 03:03 04/22 11:12 02/07/22 03:03 Prepared Analyzed 04/22 11:12 02/07/22 03:03 Prepared Analyzed 04/22 11:12 02/07/22 03:03 04/22 11:12 02/07/22 03:03 Prepared Analyzed 02/09/22 21:08 02/09/22 21:08 ab Sample ID: 880-10 Matr 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08 04/22 08:11 02/05/22 01:08

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lient: Environmental Oilfield Solut	ions, LLC	onon	c oumpio no	ouno			Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sar	mples						SDG: Lea Cou	nty, NM
lient Sample ID: 15						Lab Samp	le ID: 880-10	912-30
ate Collected: 02/01/22 14:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
Sample Depth: 4 ft								
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RI	Unit	n	Prenared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	ma/Ka		Trepared	02/07/22 15:11	1
	1.000	10						162
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/07/22 11:51	1
Method: 8015B NM - Diesel Ran	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		02/04/22 11:12	02/07/22 03:24	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 03:24	1
Oll Range Organize (Ourse C20, C22)	<40.0		40.0	malka		02/04/22 14-12	02/07/22 02:24	23
On Mange Organics (Over 020-030)	~48.8		78.8	mgrkg		02/04/22 11:12	02/01/22 05:24	13
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86	100000000	70 - 130			02/04/22 11:12	02/07/22 03:24	1
o-Terphenyl (Surr)	85		70 - 130			02/04/22 11:12	02/07/22 03:24	1
			0.0000000					83
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.25		5.00	mg/Kg			02/09/22 21:11	1
Client Sample ID: 16						Lab Samp	le ID: 880-10	912-31
Date Collected: 02/01/22 14:30							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 6 in								
Method: 8021B - Volatile Organi	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 01:29	1
Toluene	< 0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 01:29	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 01:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 01:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/04/22 08:11	02/05/22 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			02/04/22 08:11	02/05/22 01:29	1
1,4-Difluorobenzene (Surr)	108		70_130			02/04/22 08:11	02/05/22 01:29	1
Method: Total BTEX - Total BTE	X Calculation	a	1122		128	2 0	100000 V 49	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
		01/001						
		J) ((-(-)						
Method: 8015 NM - Diesel Range	e Organics (DR	011001						100 C 10 D
Method: 8015 NM - Diesel Range Analyte	e Organics (DR Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	e Organics (DR) Result <50.0	Qualifier U	RL 50.0	Unit mg/Kg		Prepared	Analyzed 02/07/22 11:51	Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH	e Organics (DR) Result <50.0		RL 50.0	Unit mg/Kg		Prepared	Analyzed 02/07/22 11:51	Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	e Organics (DR) Result <50.0 ge Organics (D)	Qualifier U RO) (GC)	RL	Unit mg/Kg		Prepared	Analyzed 02/07/22 11:51	Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Garding Range Opposite	e Organics (DR Result <50.0 ge Organics (Dl Result	Qualifier U RO) (GC) Qualifier	RL 50.0	Unit mg/Kg Unit	D	Prepared	Analyzed 02/07/22 11:51 Analyzed	Dil Fac

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lient: Environmental Oilfield Soluti	ons, LLC	3					Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sam	nples						SDG: Lea Cou	nty, NM
lient Sample ID: 16						Lab Samp	le ID: 880-10	912-31
ate Collected: 02/01/22 14:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			02/04/22 11:12	02/07/22 03:44	1
o-Terphenyl (Surr)	100		70 - 130			02/04/22 11:12	02/07/22 03:44	1
Method: 300.0 - Anions Ion Chro	matography	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	634		5.00	mg/Kg		. repared	02/09/22 21:16	1
	554							
lient Sample ID: 16						Lab Samp	le ID: 880-10	912-32
ate Collected: 02/01/22 14:30							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds (GCI						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 01:49	1
Toluene	< 0.00200	U	0.00200	ma/Ka		02/04/22 08:11	02/05/22 01:49	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 01:49	1
Ethylbenzene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 01:49	1
m,p-Xylenes	< 0.00401	U	0.00401	mg/Kg		02/04/22 08:11	02/05/22 01:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/04/22 08:11	02/05/22 01:49	1
1,4-Difluorobenzene (Surr)	81		70_130			02/04/22 08:11	02/05/22 01:49	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)	DI	11-24	n	Descenced	Anaband	Dil Cas
Analyte	Result	Quaimer	RL	Unit	U	Prepared	Analyzed	Dil Fac
Iotai IFH	400.0	U	50.0	mgring			02/01/22 11:51	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:05	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:05	ୀ
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			02/04/22 11:12	02/07/22 04:05	1
o-Terphenyl (Surr)	108		70 - 130			02/04/22 11:12	02/07/22 04:05	1
Mathadi 200.0 Aniana I Ch		Calubla						
memor: supple - Anions, ion Chro	amatography -	Soluble	1.00	41.71				DUC
Analyte	Decili	Oublifer		1 Press			15 15 15 15 15 15	
Analyte	Result	Qualifier	5.05	Unit	U	Prepared	Analyzed	Dirrac

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		Clien	t Sample Re	suits				
lient: Environmental Oilfield Soluti	ions, LLC						Job ID: 880-	10912-1
roject/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
Client Sample ID: 17						Lab Samp	le ID: 880-10	912-33
ate Collected: 02/01/22 14:30							Matri	x: Solid
ate Received: 02/02/22 15:11								100000000
Sample Depth: 6 in								
Method: 8021B - Volatile Organic	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:10	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:10	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:10	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/04/22 08:11	02/05/22 02:10	1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofiuorobenzene (Surr)	109	100 No 200 N 748	70 - 130			02/04/22 08:11	02/05/22 02:10	1
1,4-Difluorobenzene (Surr)	74		70_130			02/04/22 08:11	02/05/22 02:10	1
	Second Second Second Second							
Method: Total BTEX - Total BTE)	Calculation	Qualifier	DI	11-24	P	Programad	Anabard	Da Cr-
Total RTEV	result	quaimer	0.00000	Unit	U	Frepared	naiyzed	Dil Fac
Intal DTEA	~0.00200	U	0.00200	manda			02/07/22 10:11	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/07/22 11:51	1
	12 11 1/2							
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)			320			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C8-C10	<49.9		49.9	mg/Kg		02/04/22 11:12	02/07/22 04:25	1
Diesei Range Organics (Over C10-C28) Oli Bassa Organics (Over C28, C28)	<40.0		48.9	mgrkg		02/04/22 11:12	02/07/22 04:25	1
On realige organies (over 625-666)	410.0	0	40.0	118118		SEIGHEE TI.TE	OLIVITZE OT.LO	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			02/04/22 11:12	02/07/22 04:25	1
o-Terphenyl (Surr)	70		70 - 130			02/04/22 11:12	02/07/22 04:25	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.61		4.99	mg/Kg			02/09/22 21:25	1
lient Sample ID: 17						Lab Samp	le ID: 880-10	912-34
ate Collected: 02/01/22 14:30							Matri	x: Solid
ate Received: 02/02/22 15:11							Maur	a. oulu
iample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounds (GC)		11-24				D11 E
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
penzene	<0.00202		0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
loluopo	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
louene .	< 0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
o-Xylene	COLD 2010 10 10 10 10 10 10 10 10 10 10 10 10		0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
o-Xylene Ethylbenzene	<0.00202	U				김 씨가 아내는 것이 같아요. 아버지 않는 것이 같아요.		
o-Xylene Ethylbenzene m,p-Xylenes	<0.00202 <0.00404	U	0.00404	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
o-Xylene Ethylbenzene m.p-Xylenes Surrogate	<0.00202 <0.00404 %Recovery	U Qualifier	0.00404 Limits	mg/Kg		02/04/22 08:11 Prepared	02/05/22 02:30 Analyzed	1 Dil Fac
ouene o-Xylene Ethylbenzene m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr)	<0.00202 <0.00404 %Recovery 106	U Qualifier	0.00404 Limits 70 - 130	mg/Kg		02/04/22 08:11 Prepared 02/04/22 08:11	02/05/22 02:30 Analyzed 02/05/22 02:30	1 Dil Fac 1

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roject/Site: Cheddar RP Final Samples	Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg Unit unit	D D	Prepared Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	SDG: Lea Cou Matri Matri Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	inty, NM 912-34 ix: Solid Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Client Sample ID: 17 Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11 Dample Depth: 4 ft Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier Total BTEX <0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Total TPH <50.0 U Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Gasoline Range Organics <50.0 U Gasoline Range Organics (Over <50.0 U 50.0 Gene Range Organics (Over C28-C38) <50.0 U 50.0 Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 83 70 - 130 o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Analyte Result Qualifier RL Chioride <4.98 U F1 4.88	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D D D	Lab Samp Prepared Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 Analyzed 02/07/22 04:46 Analyzed	912-34 ix: Solid Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 2 1 7 1
bate Collected: 02/01/22 14:30 bate Received: 02/02/22 15:11 sample Depth: 4 ft Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Total BTEX <0.00200 U 0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics <50.0 U 50.0 (GRO)-C8-C10 Diesel Range Organics (Over <50.0 U 50.0 C10-C28) Oll Range Organics (Over C28-C38) <50.0 U 50.0 Surrogate %Recovery Qualifier Limits 1-Chicrooctane (Surr) 85 70 - 130 o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chicride <4.98 U F1 4.98 Client Sample ID: 18 Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit unit	D D D	Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Matri Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed 02/07/22 04:46 Analyzed 02/07/22 04:46 02/07/22 04	Dil Fac Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Date Received: 02/02/22 15:11 Sample Depth: 4 ft Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Total BTEX <0.00200 0 0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 50.0 Mathod: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics <50.0 U 50.0 50.0 (GRO)-C6-10 Diesel Range Organics (Over C28-C38) <50.0 U 50.0 Dilesel Range Organics (Over C28-C38) <50.0 U 50.0 Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 83 70 - 130 <t< th=""><th>Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg</th><th> D</th><th>Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared</th><th>Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:46 Analyzed 02/07/22 04:46 02/07/22 04:46</th><th>Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1</th></t<>	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:46 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1
Sample Depth: 4 ft Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Total BTEX <0.00200 0 0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 50.0 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics <50.0 U 50.0	Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg Unit unit	D	Prepared Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Total BTEX <0.00200 0 0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 50.0 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0 U 50.0 50.0 50.0 50.0 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics (Over C80.0 U 50.0 50.0 50.0 50.0 (GRO)-C6-C10 Diesel Range Organics (Over C28-C38) <50.0 U 50.0 50.0 Surrogate %Recovery Qualifier Limits 1-Chlorocotane (Surr) 55 70-130 Surrogate %Recovery Qualifier RL 200 200 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride <4.98 U F	Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg Unit Unit	D D	Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1
Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Total BTEX <0.00200	Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg Unit Unit	D D	Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared 02/04/22 11:12 Prepared	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1 1 1
Analyte Result Qualifier RL Total BTEX <0.00200	Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg Unit Unit	D	Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 Analyzed 02/07/22 04:46	Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac
Total BTEX <0.00200 0 0.00200 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:46 02/07/22 04:46 Analyzed 02/07/22 04:46 02/07/22 04:46	1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH <50.0	Unit mg/Kg Unit mg/Kg mg/Kg Unit unit	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac
Analyte Result Qualifier RL Total TPH <50.0	Unit mg/Kg mg/Kg mg/Kg mg/Kg Unit	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Analyzed 02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 1
Initial IPH < 50.0 0 50.0 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics < 50.0	mg/Kg mg/Kg mg/Kg mg/Kg unit unit	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	02/07/22 11:51 Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 1 1 1 Dil Fac 1
Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Gasoline Range Organics <50.0	Unit mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 Analyzed 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 1 1 1 Dil Fac 1
Analyte Result Qualifier RL Gasoline Range Organics <50.0	Unit mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	Analyzed 02/07/22 04:48 02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	Dil Fac 1 1 1 1 Dil Fac 1
Instruction Result Recomment RL Gasoline Range Organics <50.0	unit mg/Kg mg/Kg Unit mg/Kg	D	02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	20107/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	011140 1 1 1 1 1 1 1
CRC0-C6:10 SUU O SUU SU	mg/Kg mg/Kg Unit mg/Kg	D	02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	02/07/22 04:48 02/07/22 04:48 <u>Analyzed</u> 02/07/22 04:46 02/07/22 04:46 02/07/22 04:46	1 1 Dil Fac 1 1
Diesel Range Organios (Over <50.0	mg/Kg mg/Kg Unit mg/Kg	D	02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	02/07/22 04:48 02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed	1 Dil Fac 1 1
C10-C28) C10-C28) Oll Range Organics (Over C28-C38) <50.0	mg/Kg Unit mg/Kg	D	02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed	1 Dil Fac 1 1
Oll Range Organics (Over C28-C36) <50.0	mg/Kg Unit mg/Kg	D	02/04/22 11:12 Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	02/07/22 04:48 Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed	1 Dil Fac 1 1
Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 85 70 - 130 o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Chloride <4.98	Unit mg/Kg	D	Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed	Dil Fac 1 1
Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 85 70 - 130 o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride <4.98	Unit mg/Kg	D	Prepared 02/04/22 11:12 02/04/22 11:12 Prepared	Analyzed 02/07/22 04:46 02/07/22 04:46 Analyzed	Dil Fac 1 1
1-Chlorooctane (Surr) 85 70 - 130 o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Analyte Result Qualifier RL	Unit mg/Kg	D	02/04/22 11:12 02/04/22 11:12 Prepared	02/07/22 04:46 02/07/22 04:46 Analyzed	1
o-Terphenyl (Surr) 83 70 - 130 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride <4.98 U F1 4.98 Client Sample ID: 18 Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11	Unit mg/Kg	D	02/04/22 11:12 Prepared	02/07/22 04:46 Analyzed	1
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride <4.98 U F1 4.98 Client Sample ID: 18 Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11	Unit mg/Kg	D	Prepared	Analyzed	
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride <4.98	Unit mg/Kg	D	Prepared	Analyzed	
Analyte Result Qualifier RL Chloride <4.98	Unit mg/Kg	D	Prepared	Analyzed	12234425
Chloride <4.98	mg/Kg				Dil Fac
Client Sample ID: 18 Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11				02/11/22 19:50	1
Date Collected: 02/01/22 14:30 Date Received: 02/02/22 15:11			lah Samo	In ID: 880 40	912 35
Date Received: 02/07/22 15:11			Lap Samp	10.000-10	JIE-JJ
Jale Received: 02/02/22 15:11				Matri	x: Solid
Control Double Cin					
Sample Deput: 6 In					
Method: 8021B - Volatile Organic Compounds (GC)					
Analyte Result Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene <0.00200 U 0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:50	1
Toluene <0.00200 U 0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:50	1
o-Xylene <0.00200 U 0.00200	mg/Kg		02/04/22 08:11	02/05/22 02:50	1
Ethylbenzene <0.00200 U 0.00200	mg/Ka		02/04/22 08:11	02/05/22 02:50	1
m.p-Xylenes <0.00399 U 0.00399	mg/Ka		02/04/22 08:11	02/05/22 02:50	1
			0.000 000 000 000 000 000		112
Surrogate %Recovery Qualifier Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 108 70 - 130			02/04/22 08:11	02/05/22 02:50	1
1,4-Difluorobenzene (Surr) 107 70 . 130			02/04/22 08:11	02/05/22 02:50	1
- An Antonio Antonio Antonio Mandalla Antonio Con-					
Method: Total BTEX - Total BTEX Calculation					
Analyte Result Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX <0.00200 U 0.00200	mg/Kg	50.700		02/07/22 15:11	1
Method: 8015 NM - Diesel Range Organics (DRO) (GC)					
Analyte Result Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH <49.9 U 49.9	mg/Kg			02/07/22 11:51	1
Method: 8015B NM - Diesel Range Organics (DRO) (GC)					
Analyte Result Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics <49.9 U 49.9	mall/a		00/04/00 14 15	02/07/22 05:06	1

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2/18/2022

880-10912-1	Job ID: 880-						ions, LLC	ient: Environmental Oilfield Soluti
County, NM	SDG: Lea Cou						nples	oject/Site: Cheddar RP Final San
-10912-35	le ID: 880-10	Lab Samp						lient Sample ID: 18
Matrix: Solid	Matr							ate Collected: 02/01/22 14:30
								ate Received: 02/02/22 15:11
								ample Depth: 6 in
					Continued)	RO) (GC) (C	ge Organics (DI	Method: 8015B NM - Diesel Rand
d Dil Fac	Analyzed	Prepared	D	Unit	RL	Qualifier	Result	Analyte
5:06 1	02/07/22 05:06	02/04/22 11:12		mg/Kg	49.9	U	<49.9	Diesel Range Organics (Over
				144				C10-C28)
:06 1	02/07/22 05:06	02/04/22 11:12		mg/Kg	49.9	U	<49.9	Oll Range Organics (Over C28-C36)
d Dil Fac	Analyzed	Prepared			Limits	Qualifier	%Recovery	Surrogate
5:06 1	02/07/22 05:06	02/04/22 11:12			70 - 130		93	1-Chlorooctane (Surr)
5:06 1	02/07/22 05:06	02/04/22 11:12			70 - 130		87	o-Terphenyl (Surr)
d DilEr-	Anaband	Propered	n	Unit	DI	Ouslifier	omatography -	Method: 300.0 - Anions, Ion Chro
UIIFAC	02/11/22 20-17	Frepared	U	malka	4 00	quaimer	Result	Chlorida
kur	02/11/22 20.17			ngng	4.88		63.3	Chioride
-10912-36	le ID: 880-10	Lab Samp						lient Sample ID: 18
Matrix: Solid	Matr							ate Collected: 02/01/22 14:30
								ate Received: 02/02/22 15:11
								ample Depth: 4 ft
						2.01		
015	Annhand	Deserved	n	11-24	DI	GL)	c Compounds (Method: 8021B - Volatile Organic
DIFAC	Analyzed	Prepared	U	Unit	RL 0.00201	Qualmer	<0.00201	Reasons
	02/05/22 03:11	02/04/22 00:11		mgiKg	0.00201		<0.00201	Telvere
	02/05/22 03:11	02/04/22 00:11		mgiKg	0.00201		<0.00201	a Vulana
	02/05/22 03.11	02/04/22 00.11		mgrKg	0.00201		<0.00201	Ethylhonzono
1 10-11						0	~0.00201	
3:11 1 5-11 1	02/05/22 03:11	02/04/22 08:11		mg/Kg	0.00402		<0.00402	m n. Yulanas
8:11 1 8:11 1	02/05/22 03:11	02/04/22 08:11		mgrKg mg/Kg	0.00402	U	<0.00402	m,p-Xylenes
8:11 1 9:11 1 d Dil Fac	02/05/22 03:11 02/05/22 03:11 Analyzed	02/04/22 08:11 02/04/22 08:11 Prepared		mg/Kg mg/Kg	0.00402 Limits	U Qualifier	<0.00402 %Recovery	m,p-Xylenes Surrogate
9:11 1 9:11 1 d <u>Dil Fac</u> 9:11 1	02/05/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11		mg/Kg mg/Kg	0.00402 Limits 70 - 130	U Qualifier	<0.00402 %Recovery 119	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Sum)
8:11 1 8:11 1 d <u>Dil Fac</u> 8:11 1 8:11 1	02/05/22 03:11 02/05/22 03:11 <i>Analyzed</i> 02/05/22 03:11 02/05/22 03:11	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11		mgrkg mg/Kg	0.00402 Limits 70 - 130 70 - 130	U Qualifier	<0.00402 %Recovery 119 103	surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)
8:11 1 8:11 1 <u>d Dil Fac</u> 8:11 1 8:11 1	02/05/22 03:11 02/05/22 03:11 <i>Analyzed</i> 02/05/22 03:11 02/05/22 03:11	02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11		mgrkg mg/Kg	0.00402 Limits 70 - 130 70 - 130	U Qualifier	<0.00402 %Recovery 119 103	m.pXylenes Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)
11 1 13:11 1 11 1 11 1 11 1 11 1 11 1 11	02/03/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11	D	mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130	U Qualifier	<0.00402 %Recovery 119 103 K Calculation	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte
11 1 11 1 1 Dil Fac 11 1 1 Tac 11 1 1 Dil Fac 11 1	02/05/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11	02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	D	mg/Kg mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL	U Qualifier Qualifier	<0.00402 %Recovery 119 103 K Calculation Result	M.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX
11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/05/22 03:11 02/05/22 03:11 <i>Analyzed</i> 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 <i>Analyzed</i> 02/07/22 15:11	02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11	D	mg/Kg mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier Qualifier U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200	m.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX
11 1 11 1 11 1 13:11 1 13:11 1 13:11 1 11 Dil Fac 1:11 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 Analyzed 02/07/22 15:11	02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared	D	mg/Kg mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier Qualifier U	<0.00402 %Recovery 119 103 & Calculation Result <0.00200 e Organics (DR	Aryonicane m.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range
111 1 1 Dil Fac 111 1 1 Dil Fac 111 1 1 Dil Fac 111 1 1 Dil Fac	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 Analyzed	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	D	mg/Kg mg/Kg mg/Kg Unit	0.00402 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier Qualifier U O) (GC) Qualifier	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 c Organics (DR(Result	Autoritation m.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE2 Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte
111 1 1 Dil Fac 111 1 1 Dil Fac 111 1 1 Dil Fac 111 1 1 Dil Fac 1 Dil Fac	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	D	Unit mg/Kg mg/Kg Unit Unit	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	U Qualifier Qualifier U D) (GC) Qualifier U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 c Organics (DR4 Result <50.0	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH
11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	D	Unit mg/Kg mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	U Qualifier Qualifier U D) (GC) Qualifier U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR4 Result <50.0	M.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE2 Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH
11 1 1 1 1 1 1 1 1 1 1 1 2 17 3:11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 15:11 Analyzed 02/07/22 11:51	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	D	Unit mg/Kg mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	U Qualifier Qualifier U D) (GC) Qualifier U RO) (GC)	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR(Result <50.0 ge Organics (DI)	Mp-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range
11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 11:51	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared	D	Unit mg/Kg Unit mg/Kg Unit Unit	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL	U Qualifier U D) (GC) Qualifier U RO) (GC) Qualifier	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR(Result <50.0 ge Organics (DI Result	Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte
k:11 1 d Dil Fac 8:11 1 d Dil Fac k:11 1 d Dil Fac i:11 1 d Dil Fac i:51 1 d Dil Fac i:526 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/07/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12	D	Unit mg/Kg Unit Unit mg/Kg Unit mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0	U Qualifier U D) (GC) Qualifier U RO) (GC) Qualifier U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DI Result <50.0	Autorizania m.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE2 Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10
k:11 1 d Dil Fac 8:11 1 d Dil Fac i:11 1 d Dil Fac i:11 1 d Dil Fac i:51 1 d Dil Fac i:26 1	02/06/22 03:11 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 03:11 02/07/22 15:11 Analyzed 02/07/22 15:21 Analyzed 02/07/22 05:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12	D	Unit Unit Unit Unit Unit Unit Unit mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0	U Qualifier U D) (GC) Qualifier U RO) (GC) Qualifier U U U U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR/ Result <50.0 ge Organics (DI) Result <50.0	Automatica m.pXylenes Surrogate 4-Bromofluorobenzene (Surr) Method: Total BTEX - Total BTED Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over
11 1 11 1 1 1 1 1 1 1 1 1 1 1 2:11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 15:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12	D	Unit mg/Kg Unit mg/Kg Unit unit mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0	U Qualifier U U (GC) Qualifier U Qualifier U Qualifier U U U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR/ Result <50.0 ge Organics (D) Result <50.0 <50.0	Autorican m.pXylenes Surrogate 4-Bronofluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRC)-C8-C10 Diesel Range Organics (Over C10-C28)
11 1 11 1 1 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 15:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12	D	Mg/Kg mg/Kg Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0	U Qualifier U U O) (GC) Qualifier U Qualifier U Qualifier U U U U U	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR/ Result <50.0 ge Organics (D) Result <50.0 <50.0	M.pXylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) 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)
11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 1 1	02/06/22 03:11 02/05/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 15:11 Analyzed 02/07/22 15:26 02/07/22 05:26 02/07/22 05:26 Analyzed	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	D	Unit mg/Kg Unit mg/Kg Unit Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 50.0 Limits	U Qualifier U U O) (GC) Qualifier U Qualifier U U U U U Qualifier	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR/ Result <50.0 ge Organics (D) Result <50.0 <50.0 <50.0	M.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Fotal BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Sasoline Range Organics GRO)-C8-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C38) Surrogate
11 1 11 1 1 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 Prepared 02/04/22 11:12	D	Unit mg/Kg Unit Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 50.0 Limits 70 - 130	U Qualifier U D) (GC) Qualifier U Qualifier U U Qualifier U U Qualifier	<0.00402 %Recovery 119 103 & Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DI Result <50.0 <50.0 <50.0 <50.0	Auropate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRQ)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr)
11 1 11 1 1 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/05/22 03:11 02/07/22 03:11 02/07/22 15:11 02/07/22 15:11 02/07/22 15:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	D	mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 Limits 70 - 130 70 - 130 70 - 130	U Qualifier U D) (GC) Qualifier U Qualifier U U Qualifier U U Qualifier	<0.00402 %Recovery 119 103 & Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DI Result <50.0 <50.0 <50.0 <50.0 %Recovery 81 79	Autoritation and a second a secon
11 1 12 1 13 1 14 1 15 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 02/05/22 03:11 02/07/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	D	mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 <u>Climits</u> 70 - 130 70 - 130 70 - 130	U Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U U Qualifier	<0.00402 %Recovery 119 103 & Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DI Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Autoritation m.p.Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE) 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 (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (GV-C28) OII Range Organics (Over C10-C28) OII Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)
11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 12 1 13 1 14 1 15 1 15 1 15 1 15 1 15 1 15 1 15 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 Analyzed 02/07/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26 02/07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	D	mg/Kg mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 Limits 70 - 130 70 - 130 70 - 130	U Qualifier U Qualifier U Qualifier U Qualifier U U Qualifier U U Qualifier	<0.00402 %Recovery 119 103 & Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DI Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Analyte Save Section 2015 Surrogate ABromofluorobenzene (Surr) Analyte Total BTEX Method: Total BTEX - Total BTE2 Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Gasoline Range Organics (GRO)-C8-C10 Diesel Range Organics (GRO)-C8-C10 Diesel Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro
11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 12 1 13 1 14 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1 1526 1	02/06/22 03:11 02/06/22 03:11 Analyzed 02/05/22 03:11 Analyzed 02/07/22 03:11 Analyzed 02/07/22 15:11 Analyzed 02/07/22 11:51 Analyzed 02/07/22 05:26 D2 /07/22 05:26 O2 /07/22 05:26 O2 /07/22 05:26 O2 /07/22 05:26 O2 /07/22 05:26 O2 /07/22 05:26 O2 /07/22 05:26	02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 08:11 02/04/22 08:11 02/04/22 08:11 Prepared 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12 02/04/22 11:12	D D D	Unit Unit Unit Unit Unit Unit Unit mg/Kg mg/Kg mg/Kg	0.00402 Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 70 - 130 RL	U Qualifier U Qualifier U Qualifier U Qualifier U U Qualifier U Qualifier Qualifier	<0.00402 %Recovery 119 103 X Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (DR Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 81 79 omatography - Result	Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (GRO)-C6-C10 Diesel Range Organics (GRO)-C6-C10 Diesel Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) p-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chro Ranalyte

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		Chen	c oumpio no.	ounto				
lient: Environmental Oilfield Solut	ions, LLC						Job ID: 880-	10912-1
Project/Site: Cheddar RP Final Sar	mples						SDG: Lea Cou	nty, NM
lient Sample ID: 1						Lab Sam	ple ID: 880-1	0912-1
Date Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8021B - Volatile Organi	c Compounds (GC)	1122		1223	12409000	020020002	12222010
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 17:54	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 17:54	1
o-Xylene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 17:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 17:54	1
m,p-Xylenes	< 0.00400	U	0.00400	mg/Kg		02/03/22 10:10	02/04/22 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prenared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130			02/03/22 10:10	02/04/22 17:54	1
1.4-Difluorobenzene (Surr)	77	(593) (593)	70 . 130			02/03/22 10:10	02/04/22 17:54	1
								~
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
Mathed and Mit Director	0	01/001						
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)			120	n		D2 5
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iotal IPH	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 12:26	1
(GRO)-C8-C10				(1997				
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 12:26	1
C10-C28)				100000000000				514
Oli Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 12:26	1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			02/04/22 12:21	02/07/22 12:26	1
o-Terphenyl (Surr)	87		70 - 130			02/04/22 12:21	02/07/22 12:26	1
• • • • •	170		10000000000			10053338035353507535		10
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.14		4.97	mg/Kg			02/09/22 17:17	1
lient Sample ID- 1						lah Cam	nlo ID: 990 4	0012.2
Sherit Sample ID. 1						Lab Salli	pie ID. 000-1	0312-2
late Collected: 02/01/22 13:00							Matri	x: Solid
Date Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organi	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 18:20	1
Toluene	< 0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 18:20	1
o-Xyiene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 18:20	1
Ethylbenzene	<0.00200	U	0.00200	ma/Ka		02/03/22 10:10	02/04/22 18:20	1
m,p-Xylenes	< 0.00400	U	0.00400	ma/Ka		02/03/22 10:10	02/04/22 18:20	1
		<u>s</u>	(0200) E8453					23
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 181	Qualifier S1+	Limits 70 - 130			Prepared 02/03/22 10:10	Analyzed 02/04/22 18:20	Dil Fac 1

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lient: Environmental Oilfield Solutions, I	LLC	Sherr	s oumpie nee				Job ID: 880-	10912-1
Project/Site: Cheddar RP Final Samples							SDG: Lea Cou	nty, NM
Client Sample ID: 1						Lab Sam	ple ID: 880-1	0912-2
Date Collected: 02/01/22 13:00							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 4 ft								
Mathed Table DTEX Table DTEX Cal	1.4							
Method: Iotal BIEX - Iotal BIEX Cald	culation	0		11-24		D		D3 5
Analyte	Result	Qualmer	RL 0.00000	Unit	D	Prepared	Analyzed	Dil Fac
IOTALBIEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	
Method: 8015 NM - Diesel Range Orga	anics (DR	0) (GC)						
Analyte	Result	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fac
Total TPH	<49.0	U	40.0	ma/Ka		ricparea	02/08/22 16:56	1
	10.0	10						
Method: 8015B NM - Diesel Range Ord	ganics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 13:28	1
(GRO)-C8-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 13:28	া
C10-C28)		100						2.12
Oli Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 13:28	1
Surronate	%Permen	Qualifier	Limits			Prenared	Analyzed	Dil Ese
1-Chlomostane (Sum)	oo	waamler	70 130			02/04/22 12-24	02/07/22 12:20	LAI Fac
o Tembenul (Surr)	33		70 130			02/04/22 12:21	02/07/22 13:20	
o-repriety/ (Sun)	97		10-130			02/04/22 12:21	02/01/22 13:28	1
Method: 300.0 - Anions, Ion Chromato	ography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.96	ma/Ka			02/09/22 17:22	1
						151 152/052		
Client Sample ID: 2						Lab Sam	ple ID: 880-1	0912-3
Date Collected: 02/01/22 13:00							Matri	x: Solid
Date Received: 02/02/22 15:11								
Sample Depth: 6 in								
Method: 8021B - Volatile Organic Con	nnounds (GCL						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201	ma/Ka		02/03/22 10:10	02/04/22 18:46	1
Toluene	<0.00201	U	0.00201	ma/Ka		02/03/22 10:10	02/04/22 18:46	1
o-Xviene	<0.00201	ũ	0.00201	ma/Ka		02/03/22 10:10	02/04/22 18:46	1
Ethylbenzene	<0.00201	ŭ	0.00201	malka		02/03/22 10:10	02/04/22 18:46	
m p-Xvlenes	<0.00201	ŭ	0.00402	ma/Ka		02/03/22 10:10	02/04/22 18:46	
and a strength	-0.00102	1	e.se rue	8			5676 FEE 10.70	6.7
		52 - 5325F	1 imits			Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	The second secon					
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 221	Qualifier S1+	70 - 130			02/03/22 10:10	02/04/22 18:46	1
Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery 221 90	Qualifier S1+	70 - 130 70 - 130			02/03/22 10:10 02/03/22 10:10	02/04/22 18:46 02/04/22 18:46	1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery 221 90	Qualifier S1+	70 - 130 70 - 130 70 - 130			02/03/22 10:10 02/03/22 10:10	02/04/22 18:46 02/04/22 18:46	1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc	%Recovery 221 90 culation	Qualifier S1+	70 - 130 70 - 130 70 - 130			02/03/22 10:10 02/03/22 10:10	02/04/22 18:46 02/04/22 18:46	1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte	%Recovery 221 90 culation Result	Qualifier S1+ Qualifier	70 - 130 70 - 130 70 - 130 RL	Unit	D	02/03/22 10:10 02/03/22 10:10 Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed	1 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX	%Recovery 221 90 culation Result <0.00200	Qualifier S1+ Qualifier U	70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11	1 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX	%Recovery 221 90 culation Result <0.00200	Qualifier S1+ Qualifier U	70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11	1 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orga	%Recovery 221 90 culation Result <0.00200 anics (DR	Qualifier S1+ Qualifier U O) (GC)	70 - 130 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11	1 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orga Analyte	%Recovery 221 90 culation Result <0.00200 anics (DR Result	Qualifier S1+ Qualifier U O) (GC) Qualifier	RL 0.00200	Unit mg/Kg Unit	D	02/03/22 10:10 02/03/22 10:10 Prepared Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11 Analyzed	1 1 Dil Fac 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orga Analyte Total TPH	%Recovery 221 90 culation Result <0.00200 anics (DR Result 3220	Qualifier S1+ Qualifier U O) (GC) Qualifier	RL 0.00200 RL 0.00200	Unit mg/Kg Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56	1 Dil Fac Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orga Analyte Total TPH	%Recovery 221 90 culation Result <0.00200 anics (DR Result 3220	Qualifier S1+ Qualifier U O) (GC) Qualifier	RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56	t Dil Fac 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orge Analyte Total TPH Method: 8015B NM - Diesel Range Orge	%Recovery 221 90 culation Result <0.00200 anics (DR Result 3220 ganics (D	Qualifier S1+ Qualifier U O) (GC) Qualifier RO) (GC)	RL 0.00200 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 Prepared Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56	1 Dil Fac 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Calc Analyte Total BTEX Method: 8015 NM - Diesel Range Orga Analyte Total TPH Method: 8015B NM - Diesel Range Orga Analyte	%Recovery 221 90 culation Result <0.00200 anics (DR Result 3220 ganics (D Result	Qualifier S1+ Qualifier U O) (GC) Qualifier RO) (GC) Qualifier	RL 50.130 70.130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg Unit	D D	02/03/22 10:10 02/03/22 10:10 Prepared Prepared	02/04/22 18:46 02/04/22 18:46 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed	1 Dil Fac Dil Fac Dil Fac Dil Fac

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2/18/2022

-10912-1	Job ID: 880-1						ions, LLC	lient: Environmental Oilfield Soluti
ounty, NM	SDG: Lea Cou						nples	roject/Site: Cheddar RP Final San
10912-3	ple ID: 880-1	Lab Sam						lient Sample ID: 2
rix: Solid	Matri							ate Collected: 02/01/22 13:00
								ate Received: 02/02/22 15:11
								ample Depth: 6 in
					continued)	RO) (GC) (C	ge Organics (D	Method: 8015B NM - Diesel Rang
Dil Fac	Analyzed	Prepared	D	Unit	RL	Qualifier	Result	Analyte
1	02/07/22 13:50	02/04/22 12:21		mg/Kg	50.0		3170	Diesel Range Organics (Over
								C10-C28)
1	02/07/22 13:50	02/04/22 12:21		mg/Kg	50.0	U	<50.0	Oll Range Organics (Over C28-C36)
Dil Fac	Analyzed	Prepared			Limits	Qualifier	%Recovery	Surrogate
1	02/07/22 13:50	02/04/22 12:21			70 - 130	-0.	114	1-Chlorooctane (Surr)
1	02/07/22 13:50	02/04/22 12:21			70 - 130		106	o-Terphenyl (Surr)
							en e	
015				11-24		soluble	omatography -	Method: 300.0 - Anions, Ion Chro
Dil Fac	Analyzed	Prepared	D	Unit	RL	Qualifier	Result	Analyte
্য	02/09/22 17:27			mg/Kg	4.99		128	Chloride
10912-4	ple ID: 880-1	Lab Sam						lient Sample ID: 2
rix: Solid	Matri	C. March Statistics						ate Collected: 02/01/22 13:00
	1.1.1.1							ate Received: 02/02/22 15:11
								ample Depth: 4 ft
						GC)	c Compounds (Method: 8021B - Volatile Organic
Dil Fac	Analyzed	Prepared	D	Unit	RL	Qualifier	Result	Analyte
1	02/04/22 19:13	02/03/22 10:10		mg/Kg	0.00200	U	< 0.00200	Benzene
1	02/04/22 19:13	02/03/22 10:10		mg/Kg	0.00200	U	< 0.00200	Toluene
1	02/04/22 19:13	02/03/22 10:10		mg/Kg	0.00200	U	<0.00200	o-Xylene
	02/04/22 10:13	02/03/22 10:10		ma/Ka	0.00200	U	< 0.00200	Ethylbenzene
1	02/04/22 10.15							
1	02/04/22 19:13	02/03/22 10:10		mg/Kg	0.00401	U	<0.00401	m,p-Xylenes
1 1 Dil Fac	02/04/22 19:13 02/04/22 19:13	02/03/22 10:10 Prepared		mg/Kg	0.00401 Limits	U Qualifier	<0.00401 %Recovery	m,p-Xylenes Surrogate
1 Dil Fac 1	02/04/22 19:13 Analyzed 02/04/22 19:13	02/03/22 10:10 Prepared 02/03/22 10:10		mg/Kg	0.00401	U Qualifier S1+	<0.00401 %Recovery 217	m.p-Xylenes Surrogate 4-Bromofiuorobenzene (Surr)
1 Dil Fac 1 1	02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10		mg/Kg	0.00401 Limits 70 - 130 70 - 130	U Qualifier S1+	<0.00401 %Recovery 217 98	m.p-Xylenes Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)
1 Dil Fac 1 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10		mg/Kg	0.00401 Limits 70 - 130 70 - 130	U Qualifier S1+	<0.00401 %Recovery 217 98	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)
1 Dil Fac 1 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10		mg/Kg	0.00401 Limits 70 - 130 70 - 130	U Qualifier S1+	<0.00401 %Recovery 217 98 K Calculation	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX
1 Dil Fac 1 1 Dil Fac	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	D	mg/Kg Unit	0.00401 Limits 70 - 130 70 - 130 RL	U Qualifier S1+ Qualifier	<0.00401 %Recovery 217 98 X Calculation Result	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte
1 Dil Fac 1 Dil Fac 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	D	mg/Kg Unit mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier S1+ Qualifier U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX
1 Dil Fac 1 Dil Fac 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	D	mg/Kg Unit mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier S1+ Qualifier U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX
1 Dil Fac 1 Dil Fac 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared	D	mg/Kg Unit mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200	U Qualifier S1+ Qualifier U D) (GC)	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 c Organics (DRR	m.p-Xylenes Surrogate 4-Bromofituorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range
1 Dil Fac 1 Dil Fac 1 Dil Fac	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/07/22 15:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	D	Unit mg/Kg Unit Unit	0.00401 <u>Limits</u> 70 - 130 70 - 130 RL 0.00200 RL 400	U Qualifier S1+ Qualifier U D) (GC) Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result	m.p-Xylenes Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 18:56	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	D	Unit mg/Kg Unit mg/Kg	0.00401 <u>Limits</u> 70 - 130 70 - 130 RL 0.00200 RL 49.9	U Qualifier S1+ Qualifier U D) (GC) Qualifier U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	D	unit mg/Kg unit unit mg/Kg	0.00401 <u>Limits</u> 70 - 130 70 - 130 RL 0.00200 RL 49.9	U Qualifier S1+ Qualifier U D) (GC) Qualifier U RO) (GC)	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR) Result <49.9	m.p-Xylenes 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
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared Prepared	D	Unit mg/Kg Unit mg/Kg Unit	0.00401 <u>Limits</u> 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (D) Result	m.p-Xylenes 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
1 Dil Fae 1 Dil Fae 1 Dil Fae 1 Dil Fae 1	D2/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 16:56	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21	D	Unit mg/Kg Unit Unit Unit Unit unit	0.00401 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9	U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (DI Result <49.9	m.p-Xylenes 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
1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/08/22 16:56	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21	D D D	Unit mg/Kg Unit Unit mg/Kg Unit mg/Kg	0.00401 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9	U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 c Organics (DR Result <49.9 ge Organics (D) Result <49.9	m.p-Xylenes 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
1 Dil Fae 1 Dil Fae 1 Dil Fae 1 Dil Fae 1	D2/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 10:56 Analyzed 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21	D	Unit mg/Kg Unit Unit mg/Kg Unit mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9	U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (D) Result <49.9	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over Analyte Gasoline Range Organics (Over Analyte
1 Dil Fae 1 Dil Fae 1 Dil Fae 1 Dil Fae 1	Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 18:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21	D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 49.9	U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 c Organics (DR Result <49.9 ge Organics (DI Result <49.9 <49.9	m.p-Xylenes 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 Diesel Range Organics (Over C10-C28) Dill Borne Organics (Over C10-C28)
1 Dil Fae 1 Dil Fae Dil Fae 1 Dil Fae 1 1	Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 18:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21	D D D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9	U Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier U U U U	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 c Organics (DR Result <49.9 ge Organics (DI Result <49.9 <49.9 <49.9	m.p-Xylenes Surrogate 4-Bromofivorobenzene (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)
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac	D2/04/22 18:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 Analyzed	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21 Prepared	D D D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 Limits	U Qualifier S1+ U O) (GC) Qualifier U RO) (GC) Qualifier U U U U Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 c Organics (DR Result <49.9 ge Organics (D Result <49.9 <49.9 <49.9 <49.9 <49.9	m.p-Xylenes Surrogate 4-Bromofivorobenzene (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) OII Range Organics (Over C28-C38) Surrogate
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10	D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 Limits 70 - 130	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (DR Result <49.9 <49.9 <49.9 <49.9 <49.9	m.p-Xylenes 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-C38) Surrogate 1-Chlorooctane (Surr)
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10	D D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 Limits 70 - 130 70 - 130 70 - 130 70 - 130	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	m.p-Xylenes 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)-08-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1	D2/04/22 18:13 Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21	D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 49.9 Limits 70 - 130 70 - 130 70 - 130	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <	m.p-Xylenes 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 C10-C28)
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac	D2/04/22 18:13 Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10	D D	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 49.9 RL 49.9 Limits 70 - 130 70 - 130 70 - 130 70 - 130	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier U Qualifier U Qualifier Soluble	<0.00401 %Recovery 217 98 X Calculation Result <0.00200 e Organics (DR Result <49.9 ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	m.p-Xylenes Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 80155 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRQ)-C8-C10 Diesel Range Organics (Over C10-C28) Oll Range
1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac	D2/04/22 18:13 Analyzed 02/04/22 19:13 Analyzed 02/04/22 19:13 Analyzed 02/07/22 19:13 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11 02/07/22 14:11	02/03/22 10:10 Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21 Prepared 02/04/22 12:21 02/04/22 12:21 02/04/22 12:21	D D	Unit mg/Kg Unit Mg/Kg Unit mg/Kg mg/Kg mg/Kg Mg/Kg	0.00401 Limits 70 - 130 70 - 130 RL 0.00200 RL 40.9 RL 40.9 40.9 Limits 70 - 130 70 - 130 70 - 130 70 - 130	U Qualifier S1+ Qualifier U O) (GC) Qualifier U Qualifier U U Qualifier U U Qualifier	<0.00401 %Recovery 217 98 K Calculation Result <0.00200 c Organics (DR Result <49.9 ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <	m.p-Xylenes Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C38) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: 300.0 - Anions, Ion Chroc Analyte

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2/18/2022

	2012 C 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	onon						
lient: Environmental Oilfield Soluti	ons, LLC						Job ID: 880-	10912-1
roject/Site: Cheddar RP Final San	nples						SDG: Lea Cou	nty, NM
lient Sample ID: 3						Lab Sam	ple ID: 880-1	0912-5
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
Sample Depth: 6 in								
Method: 8021B - Volatile Organic	: Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/04/22 19:40	1
Toluene	< 0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/04/22 19:40	1
o-Xylene	< 0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/04/22 19:40	1
Ethylbenzene	< 0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/04/22 19:40	1
m,p-Xylenes	< 0.00403	U	0.00403	mg/Kg		02/03/22 10:10	02/04/22 19:40	া
Surrogate	%Pecovery	Qualifier	Limits			Prepared	Analyzed	Dil Ean
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130			02/03/22 10.10	02/04/22 19:40	1
1 4-Difluombenzene (Surri	200	100	70 130			02/03/22 10:10	02/04/22 19:40	4
r, - omuorovenzene (ouri)	67		10.100			5200122 10.10	5207/22 13.40	- 1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			02/07/22 15:11	1
N. H I. BOAT MILL BY AN		01 (0.01						
Method: 8015 NM - Diesel Range	Organics (DR	U) (GC)	11222		1231			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	378		49.9	mg/Kg			02/08/22 16:56	1
Method: 8015B NM - Diesel Rano	e Organics (D	ROL (GC)						
Analyte	Recult	Qualifier	RI	Unit	р	Prenared	Analyzed	Dil Fac
Gasoline Range Organics	<40.0	U	40.0	mo/Ka		02/04/22 12:21	02/07/22 14:32	1
(GRO)-C6-C10	-48.8	0	70.0	inging		02/04/22 12.21	02101122 17.02	13
Diesel Range Organics (Over	378		49.9	mg/Kg		02/04/22 12:21	02/07/22 14:32	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 14:32	1
Surroanto	*/Panaura	Qualifier	Limite			Proposed	Anaband	Diler-
Jurroyate		quantiter	70 420			rrepared	Analyzed	Direc
- Terebaud (Puer)	98		70 - 130			02/04/22 12:21	02/07/22 14:32	1
o-terpnenyl (Surr)	93		70 - 130			02/04/22 12:21	02/07/22 14:32	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		5.00	mg/Kg	- 1245		02/09/22 17:37	1
11						1-1-5	-1-10.000 4	0042.0
lient Sample ID: 3						Lab Sam	pie ID: 880-1	0912-6
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Method: 8021B - Volatile Organic	Compounde	GC						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	ma/Ka		02/03/22 10:10	02/04/22 20:06	1
Toluene	<n nn200<="" td=""><td>1</td><td>0.00200</td><td>malka</td><td></td><td>02/03/22 10:10</td><td>02/04/22 20:06</td><td></td></n>	1	0.00200	malka		02/03/22 10:10	02/04/22 20:06	
o. Yulono	~0.00200		0.00200	malka		02/03/22 10.10	02/04/22 20:00	
o-Ayrene Cikultaaaaa	<0.00200		0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:00	1
conjuenzene	<0.00200		0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:06	1
m,p-xylenes	<0.00401	U	0.00401	mg/Kg		02/03/22 10:10	02/04/22 20:06	1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	206	S1+	70 - 130			02/03/22 10:10	02/04/22 20:06	1
	200	Sapan	70 400			02/02/02 40:40	00/04/00 00:00	C
1 4-Difluombenzene (Surr	uc.		/11 1.911				12/19/22 2011	

Eurofins Midland

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ient: Environmental Oilfield Solut	ions, LLC						Job ID: 880-	10912-1
roject/Site: Cheddar RP Final Sar	mples						SDG: Lea Cou	nty, NM
lient Sample ID: 3						Lab Sam	ple ID: 880-1	0912-6
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 4 ft								
Mathadi Tatal BTEY Tatal BTE	V Calculation							
Anabra	Recult	Qualifier	PI	Unit	n	Propared	Analyzed	Dil Ese
Total BTEX	<0.00200	U	0.00200	mg/Kg		repared	02/07/22 15:11	1
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/08/22 16:56	1
Analyte	ge Organics (D	(GC)	DI	11-34	P	Property	Anabarad	DUE
Gasolino Bango Organias	Result		40.0	Unit	0	02/04/22 43-24	02/07/22 44-52	Dil Fac
GRO)-C8-C10	548.8	0	48.8	mgrkg		02/04/22 12:21	02/01/22 14:03	33
Diesel Range Organics (Over	<49.9	U	49.9	mg/K			02/07/22 14:53	1
C10-C28)				157.91				
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/K			02/07/22 14:53	1
Surrogato	% Pecowery	Qualifier	Limite				Analyzed	Dil Eac
1_Chlomostane (Surr)	94	Quanner	70_130			02/04/22 12:21	02/07/22 14:53	1
o-Tembenul (Surr)	94		70 130			02/04/22 12:21	02/07/22 14:53	
o-repriettyr (Surf)	34		10-130			0204/22 12.21	0201122 14.33	1
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.4		25.0	mg/Kg			02/09/22 17:42	5
lient Sample ID: 4						Lab Sam	ple ID: 880-1	0912-7
ate Collected: 02/01/22 13:00							Matri	x: Solid
ate Received: 02/02/22 15:11								
ample Depth: 6 in								
Method: 8021B - Volatile Organi	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	_	02/03/22 10:10	02/04/22 20:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:32	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/03/22 10:10	02/04/22 20:32	1
						20 323	023023 - 85	
						Deserved	discription of the second	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofiuorobenzene (Surr)	%Recovery 206	Qualifier S1+	Limits 70 - 130			02/03/22 10:10	02/04/22 20:32	Dil Fac 1
Surrogate 4-Bromofiuorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery 206 104	Qualifier S1+	Limits 70 - 130 70 - 130			02/03/22 10:10 02/03/22 10:10	02/04/22 20:32 02/04/22 20:32	Dil Fac 1 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX	%Recovery 206 104	Qualifier S1+	Limits 70 - 130 70 - 130			02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 20:32 02/04/22 20:32	Dil Fac 1 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte	%Recovery 206 104 X Calculation	Qualifier S1+ Qualifier	Limits 70 - 130 70 - 130 RI	Unit	D	Prepared 02/03/22 10:10 02/03/22 10:10	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed	Dil Fac 1 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE: Analyte Total BTEX	%Recovery 206 104 X Calculation Result <0.00200	Qualifier S1+ Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200	Unit ma/Ka	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11	Dil Fac 1 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX	%Recovery 206 104 X Calculation Result <0.00200	Qualifier S1+ Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11	Dil Fac 1 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR	Qualifier S1+ Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200	Unit mg/Kg	D	02/03/22 10:10 02/03/22 10:10 02/03/22 10:10 Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11	Dil Fac 1 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE: Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR Result	Qualifier S1+ Qualifier U O) (GC) Qualifier	Limits 70 - 130 70 - 130 RL 0.00200 RL	Unit mg/Kg Unit	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed	Dil Fac 1 Dil Fac 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR Result <50.0	Qualifier S1+ Qualifier U O) (GC) Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58	Dil Fac 1 Dil Fac 1 Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR Result <50.0	Qualifier S1+ Qualifier U O) (GC) Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (D	Qualifier S1+ Qualifier U O) (GC) Qualifier U RO) (GC)	Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg	D	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:58	Dil Fac 1 Dil Fac 1 Dil Fac
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	%Recovery 206 104 X Calculation Result <0.00200 e Organics (DR Result <50.0 ge Organics (D Result	Qualifier S1+ U O) (GC) Qualifier U RO) (GC) Qualifier	Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0	Unit mg/Kg Unit mg/Kg Unit	D D	Prepared O2/03/22 10:10 O2/03/22 10:10 Prepared Prepared Prepared	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed	Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac
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	%Recovery 206 104 X Calculation Result <0.00200	Qualifier S1+ U O) (GC) Qualifier U RO) (GC) Qualifier U	Limits 70 - 130 70 - 130 RL 0.00200 RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg	D 	Prepared 02/03/22 10:10 02/03/22 10:10 Prepared Prepared Prepared 02/04/22 12:21	Analyzed 02/04/22 20:32 02/04/22 20:32 Analyzed 02/07/22 15:11 Analyzed 02/08/22 16:56 Analyzed 02/07/22 15:14	Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Cheddar RP SWD

Client Sample ID: 2 Com 6" Date Collected: 04/19/22 17:00 Date Received: 04/20/22 08:35 Sample Depth: 6"

Job ID: 880-13895-1 SDG: Lea County, NM

Lab Sample ID: 880-13895-1 Matrix: Solid

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Mothod: 8021P Valatila Ora	anio Comes	unde ICC)						
Method: 8021B - Volatile Orga	anic Compo	unds (GC)	PI	Harit	D	Drenared	Analyzed	Dil Ene
Renzene	<0.00200	Guanner	0.00200	ma/Ka		04/20/22 15:22	04/20/22 23:10	Dirac
Toluono	<0.00200	U U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	
Ethylhenzene	<0.00200		0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	
m p. Yvlenes	<0.00200	U U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
o. Yvleno	<0.00399	0	0.00388	mg/Kg		04/20/22 15:22	04/20/22 23:10	
Vulgeor Tatal	<0.00200		0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	
Aylenes, total	<0.00388	0	0.00388	ingrig		04/20/22 10.22	04/20/22 23.10	. 31
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	8	70_130			04/20/22 15:22	04/20/22 23:10	1
1,4-Difluorobenzene (Surr)	97		70_130			04/20/22 15:22	04/20/22 23:10	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			04/21/22 11:09	1
Method: 8015 NM - Diesel Ra	nge Organic	s (DRO) (G	iC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/21/22 10:45	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO) ((GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 11:28	1
(GRO)-C6-C10 Diseal Bases Casarias (Over	<40.0	.6	40.0			04/20/22 00-50	04/20/22 11-20	
C10-C28)	\$48.8	0	48.8	mg/Kg		04/20/22 08:56	04/20/22 11:20	3
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 11:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			04/20/22 09:58	04/20/22 11:28	1
o-Terphenyl (Surr)	75		70 - 130			04/20/22 09:58	04/20/22 11:28	1
Method: 300.0 - Anions, Ion (hromatogra	phy - Solu	ble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.4		5.00	mg/Kg			04/20/22 16:54	1
Client Sample ID: 2 Com	4'				L	ab Sample	ID: 880-13	895-2
Date Collected: 04/19/22 17:00 Date Received: 04/20/22 08:35 Sample Depth: 4'							Matrix	c: Solid
Method: 8021B Volatile Org	anic Compo	unds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	ma/Ka		04/20/22 15:22	04/20/22 23:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/20/22 15:22	04/20/22 23:30	1
Ethylbenzene	<0.00198	U	0.00198	ma/Ka		04/20/22 15:22	04/20/22 23:30	1
m,p-Xylenes	< 0.00397	U	0.00397	ma/Ka		04/20/22 15:22	04/20/22 23:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/20/22 15:22	04/20/22 23:30	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		04/20/22 15:22	04/20/22 23:30	1
Surronate	%Recovery	Qualifier	l imits			Prenared	Analyzed	Dil Ear

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lised Consulta ID: 0 Consulta							10.000.40	005.0		
tient Sample ID: 2 Com 4 ate Collected: 04/19/22 17:00 ate Deceived: 04/20/22 08:35	5				Lab Sample ID: 880-13895-2 Matrix: Solid					
ample Depth: 4'										
Method: 8021B - Volatile Orga	inic Compo	unds (GC)	(Continued)							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1,4-Difluorobenzene (Surr)	97		70 - 130			04/20/22 15:22	04/20/22 23:30	1		
Method: Total BTEX - Total B7	EX Calcula	tion								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00397	U	0.00397	mg/Kg			04/21/22 11:09	1		
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) ((GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<49.9	U	49.9	mg/Kg			04/21/22 10:45	1		
	0		1000							
Method: 8015B NM - Diesel Ra	ange Organi	CS (DRO)	(GC)	11	D	Propered	Anaburad	DilEas		
Gasoline Ranne Organics	<49.0	U	49.9	ma/Ka		04/20/22 09:58	04/20/22 12:30	1		
(GRO)-C8-C10 Diesel Range Organics (Over	240.0		40.0	malka		04/20/22 00-50	04/20/22 12:20	ा ज		
C10-C28)	N48.8			mg/r/g		04120122 08:08	04/20/22 12:30			
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 12:30	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	70		70_130			04/20/22 09:58	04/20/22 12:30	1		
o-Terphenyl (Surr)	72		70 - 130			04/20/22 09:58	04/20/22 12:30	1		
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ible							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	240		4.99	mg/Kg			04/20/22 17:22	1		
lient Sample ID: 3 Com (5"				1	ab Sample	ID: 880-13	895-3		
ate Collected: 04/19/22 17:00 ate Received: 04/20/22 08:35 ample Depth: 6"						,	Matrix	: Solid		
	nic Compor	unds (GC)								
Method: 8021B - Volatile Orga	and a simple.	Our FE				Prepared	Analyzed	Dil Fac		
Method: 8021B - Volatile Orga Analyte	Result	Quaimer	RL	Unit	D			4		
Method: 8021B - Volatile Orga Analyte ^{Benzene}	Result <0.00201	U	RL 0.00201	Unit mg/Kg	D	04/20/22 15:22	04/20/22 23:50			
Method: 8021B - Volatile Orga Analyte Benzene Toluene	Result <0.00201 <0.00201	UUU	RL 0.00201 0.00201	Unit mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50	1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene	Result <0.00201 <0.00201 <0.00201	U U U U	RL 0.00201 0.00201 0.00201	Unit mg/Kg mg/Kg mg/Kg		04/20/22 15:22 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	י 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes	Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00402	U U U U U	RL 0.00201 0.00201 0.00201 0.00201 0.00402	Unit mg/Kg mg/Kg mg/Kg mg/Kg		04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene	Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201	U U U U U U U	RL 0.00201 0.00201 0.00201 0.00201 0.00402 0.00201	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total	Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 <0.00201 <0.00402	U U U U U U U U	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00201	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.pXylenes o-Xylene Xylenes, Total Surrogate	Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 <0.00402 %Recovery	Qualifier	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00402 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 Dil Fac		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result <0.00201	Quaimer U U U U U U Qualifier	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00402 Limits 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 Analyzed 04/20/22 23:50	1 1 1 1 1 Dil Fac 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.pXylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00201	Quaimer U U U U U Qualifier	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 Dil Fac 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT	Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00402 %Recovery 107 95	Qualifier U Qualifier	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared 04/20/22 15:22 04/20/22 15:22	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 1 Dil Fac 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylenes o-Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte	Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00402 %Recovery 107 95 FEX Calcula Result	Qualifier U U U U Qualifier	RL 0.00201 0.00201 0.00201 0.00402 0.00201 0.00402 Limits 70 - 130 70 - 130 RL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 <i>Prepared</i> 04/20/22 15:22 04/20/22 15:22 <i>Prepared</i>	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 1 <i>Dil Fac</i> 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX	Result <0.00201	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00201 0.00201 0.00201 0.00201 0.00402 Limits 70 - 130 RL 0.00402	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared 04/20/22 15:22 04/20/22 15:22 Prepared	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 1 Dil Fac 1 Dil Fac		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM Diosed Par	Result <0.00201	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00201 0.00201 0.00201 0.00402 0.00402 0.00402 1.00402 Limits 70 - 130 RL 0.00402	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared	04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50 04/20/22 23:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene m.p-Xylenes o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte	Result <0.00201	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00201 0.00201 0.00201 0.00402 0.00402 0.00402 Limits 70 - 130 RL 0.00402	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit unit	D	04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 04/20/22 15:22 Prepared Prepared	04/20/22 23:50 04/20/22 23:50	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 Re	suits				
utions, LLC					S	Job ID: 880-1 DG: Lea Cour	3895-1 nty, NM
5"				1	ab Sample	D: 880-13	895-3
						Matrix	· Solid
						maan	. Joing
ange Organi	ics (DRO)	(GC)	Unit	п	Prenared	Analyzed	Dil Fac
<49.9	U	49.9	ma/Ka		04/20/22 09:58	04/20/22 12:51	1
		10.0			0 1120122 00.00	0.1120.220.12.01	10
<49.9	U	49.9	ma/Ka		04/20/22 09:58	04/20/22 12:51	1
<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 12:51	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
70		70_130			04/20/22 09:58	04/20/22 12:51	1
74		70 - 130			04/20/22 09:58	04/20/22 12:51	1
12525		54040 29570					
hromatogra	phy - Solu	ible					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
72.3		4.95	mg/Kg			04/20/22 17:31	1
		(97,73)					- Art
4"				L	ab Sample	D: 880-13	895-4
nic Compo	unds (GC)						
Result	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fac
<0.00202	U	0.00202	malka		04/20/22 15:22	04/21/22 00:11	1
<0.00202	u u	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	
<0.00202		0.00202	mg/r/g		04/20/22 15.22	04/21/22 00.11	
<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
<0.00403	U	0.00403	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
< 0.00403	U	0.00403	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
%Pecovery	Qualifier	Limite			Prenared	Analyzed	
wheevery	quanner	Linito			I I COULCU		Dil Fac
405		70 490			04/00/00 45-00	04/04/00 00-44	Dil Fac
105		70 - 130			04/20/22 15:22	04/21/22 00:11	Dil Fac 1
105 97		70 - 130 70 - 130			04/20/22 15:22 04/20/22 15:22	04/21/22 00:11 04/21/22 00:11	Dil Fac 1 1
105 97	tion	70 - 130 70 - 130			04/20/22 15:22 04/20/22 15:22	04/21/22 00:11 04/21/22 00:11	Dil Fac 1 1
105 97	tion	70 - 130 70 ₋ 130	11-14		04/20/22 15:22 04/20/22 15:22	04/21/22 00:11 04/21/22 00:11	Dil Fac 1 1
105 97 FEX Calcula Result	tion Qualifier	70 - 130 70 - 130 RL	Unit	D	04/20/22 15:22 04/20/22 15:22 Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed	Dil Fac 1 Dil Fac
105 97 FEX Calcula Result <0.00403	tion Qualifier U	70 - 130 70 - 130 RL 0.00403	Unit mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09	Dil Fac 1 1 Dil Fac 1
105 97 FEX Calcula Result <0.00403	tion Qualifier U	70 - 130 70 - 130 RL 0.00403	Unit mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09	Dil Fac 1 Dil Fac 1
105 97 IEX Calcula Result <0.00403 nge Organic	tion Qualifier U s (DRO) (0	70 - 130 70 - 130 RL 0.00403	Unit mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared	04/21/22 00:11 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09	Dil Fac
105 97 IEX Calcula Result <0.00403 Ige Organic Result	tion Qualifier U s (DRO) (C Qualifier	70 - 130 70 - 130 RL 0.00403 GC) RL	Unit mg/Kg Unit	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared	04/21/22 00:11 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed	Dil Fac 1 Dil Fac 1 Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0	tion Qualifier U s (DRO) (Q Qualifier U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0	Unit mg/Kg Unit mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 04/21/22 00:11 04/21/22 11:09 Analyzed 04/21/22 11:09 04/21/22 10:45	Dil Fac 1 Dil Fac 1 Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0	tion Qualifier U s (DRO) (O Qualifier U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0	Unit mg/Kg Unit mg/Kg	D D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 04/21/22 00:11 04/21/22 11:09 Analyzed 04/21/22 11:09 04/21/22 10:45	Dil Fac
105 97 TEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi	tion Qualifier U s (DRO) (O Qualifier U cs (DRO)	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0	Unit mg/Kg Unit mg/Kg	D D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45	Dil Fac
105 97 TEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result	tion Qualifier U s (DRO) (Q Qualifier U cs (DRO) Qualifier	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL	Unit mg/Kg Unit mg/Kg Unit	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed	Dil Fac
105 97 TEX Calcula Result <0.00403 1ge Organic Result <50.0 ange Organi Result <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg	D D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared Prepared 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/21/22 13:45	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared Prepared 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/21/22 13:12	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 Result <50.0 <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U U	70-130 70-130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 10:10 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/20/22 13:12 04/20/22 13:12	Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 01:10 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/21/22 10:45 04/21/22 13:12 04/20/22 13:12	Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0 <50.0 <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 11:09 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0 <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U U	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 00:11 Analyzed 04/21/22 11:09 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0 <50.0 <50.0	tion Qualifier U s (DRO) (O Qualifier U cs (DRO) Qualifier U U Qualifier	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) 80.0 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D D D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 10:10 Analyzed 04/21/22 11:09 Analyzed 04/21/22 10:45 Analyzed 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 1 1 Dil Fac
105 97 IEX Calcula Result <0.00403 nge Organic Result <50.0 ange Organi Result <50.0 <50.0 <50.0 <50.0	tion Qualifier U s (DRO) (C Qualifier U cs (DRO) Qualifier U U U Qualifier	70 - 130 70 - 130 RL 0.00403 GC) RL 50.0 (GC) 50.0 50.0 50.0 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg	D	04/20/22 15:22 04/20/22 15:22 Prepared Prepared 04/20/22 09:58 04/20/22 09:58 04/20/22 09:58	Analyzed 04/21/22 00:11 04/21/22 00:11 Analyzed 04/21/22 10:10 Analyzed 04/21/22 10:45 Analyzed 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12 04/20/22 13:12	Dil Fac 1 1 Dil Fac 1 Dil Fac 1 1 1 1 Dil Fac 1 1
	utions, LLC ange Organi Result <49.9 <49.9 <49.9 %Recovery 70 74 hromatogra Result 72.3 Unic Compor Result <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00	Utions, LLC S" ange Organics (DRO) Result Qualifier <49.9 U <49.9 U <49.9 U <49.9 U %Recovery Qualifier 70 74 hromatography - Solu Result Qualifier 72.3 4' mic Compounds (GC) Result Qualifier <0.00202 U <0.00202 U <0.00203 U <0.00202 U <0.00203 U	Nutions, LLC S" ange Organics (DRO) (GC) Result Qualifier RL <49.9	Note: State State Interview of the second state Result Qualifier RL Unit <49.9	LUD S" L S" L Ange Organics (DRO) (GC) Result Qualifier RL Unit D <49.9	S Lab Sample ange Organics (DRO) (GC) Lab Sample Result Qualifier RL Unit D Prepared <49.9	Job ID: Job ID: Job ID: Job ID: SDG: Lea Cour SDG: Lea Cour SDG: Lea Cour Matrix SDG: Lea Cour SDG: Lea Cour Matrix Sub ID: 880-13 Matrix Matrix Matrix

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		Client	Sample Re	esuits			LL ID 000 4	2005 4
roject/Site: Cheddar RP SWD	utions, LLC					S	DG: Lea Cour	13895-1 nty, NM
Client Sample ID: 3 Com 4 Date Collected: 04/19/22 17:00 Date Received: 04/20/22 08:35 Sample Depth: 4'	ť				L	ab Sample.	ID: 880-13 Matrix	895-4 : Solid
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ıble	11229229	-			22392593
Chlorida	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chionde	LJL		5.04	ingrid			04120122 11.40	Ga
Client Sample ID: 4 Com 6 Date Collected: 04/19/22 17:00 Date Received: 04/20/22 08:35 Sample Depth: 6"	5"				L	ab Sample.	e ID: 880-13 Matrix	1895-5 c: Solid
Method: 8021B - Volatile Orga	nic Compo	unds (GC)	822	1122425	220	72 2		23925
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	0	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Ethylheeree	<0.00200		0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Eurypenzene m.n. Yulonos	<0.00200	0	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
m,p-Ayienes	<0.00401		0.00401	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
o-Aylene	<0.00200	0	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Aylenes, lotal	<0.00401	U	0.00401	mg/Kg		04/20/22 15:22	04/21/22 00:31	্য
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			04/20/22 15:22	04/21/22 00:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130			04/20/22 15:22	04/21/22 00:31	1
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			04/21/22 11:09	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (0	GC)					015
Analyte	Result	Qualifier	RL ED D	Unit	U	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Ra	ange Organi Result	ics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	, Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	50.75	04/20/22 09:58	04/20/22 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/20/22 09:58	04/20/22 13:33	1
Oll Range Organics (Over C28-C38)	<50.0	U	50.0	mg/Kg		04/20/22 09:58	04/20/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70_130			04/20/22 09:58	04/20/22 13:33	1
o-Terphenyl (Surr)	72		70_130			04/20/22 09:58	04/20/22 13:33	1
Method: 300.0 - Anions. Ion C	hromatogra	phy - Solu	ible					
			25000					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC Project/Site: Cheddar RP SWD

Client Sample ID: 4 Com 4' Date Collected: 04/19/22 17:00 Date Received: 04/20/22 08:35 Sample Depth: 4'

Job ID: 880-13895-1 SDG: Lea County, NM

Lab Sample ID: 880-13895-6 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/20/22 15:22	04/21/22 00:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	8	70_130			04/20/22 15:22	04/21/22 00:52	1
1,4-Difluorobenzene (Surr)	96		70_130			04/20/22 15:22	04/21/22 00:52	1
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/21/22 11:09	1
Method: 8015 NM - Diesel Ran	nge Organic	s (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/21/22 10:45	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 13:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			04/20/22 09:58	04/20/22 13:54	1
o-Terphenyl (Surr)	72		70 - 130			04/20/22 09:58	04/20/22 13:54	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ible					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98	mg/Kg			04/20/22 18:17	1

Eurofins Midland

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
GOODNIGHT MIDSTREAM PERMIAN, LLC	372311
5910 North Central Expressway	Action Number:
Dallas, TX 75206	101645
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/19/2022

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Action 101645