State of New Mexico
Oil Conservation Division

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

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

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

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2123650648
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Albert Ochoa Title: HSE Representative

Signature: Albert Ochoa Date: 04/26/2022

email: albert.ochoa@goodnightmidstream.com Telephone: (432) 242-6629

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2123650648
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

☒ Laboratory analyses of final sampling (Note: appropriate ODC 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: Albert 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 of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 05/19/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

Table of Contents

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 19 NATURAL RESOURCES AND WILDLIFE
CHAPTER 15 OIL AND GAS
PART 29 RELEASES

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

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

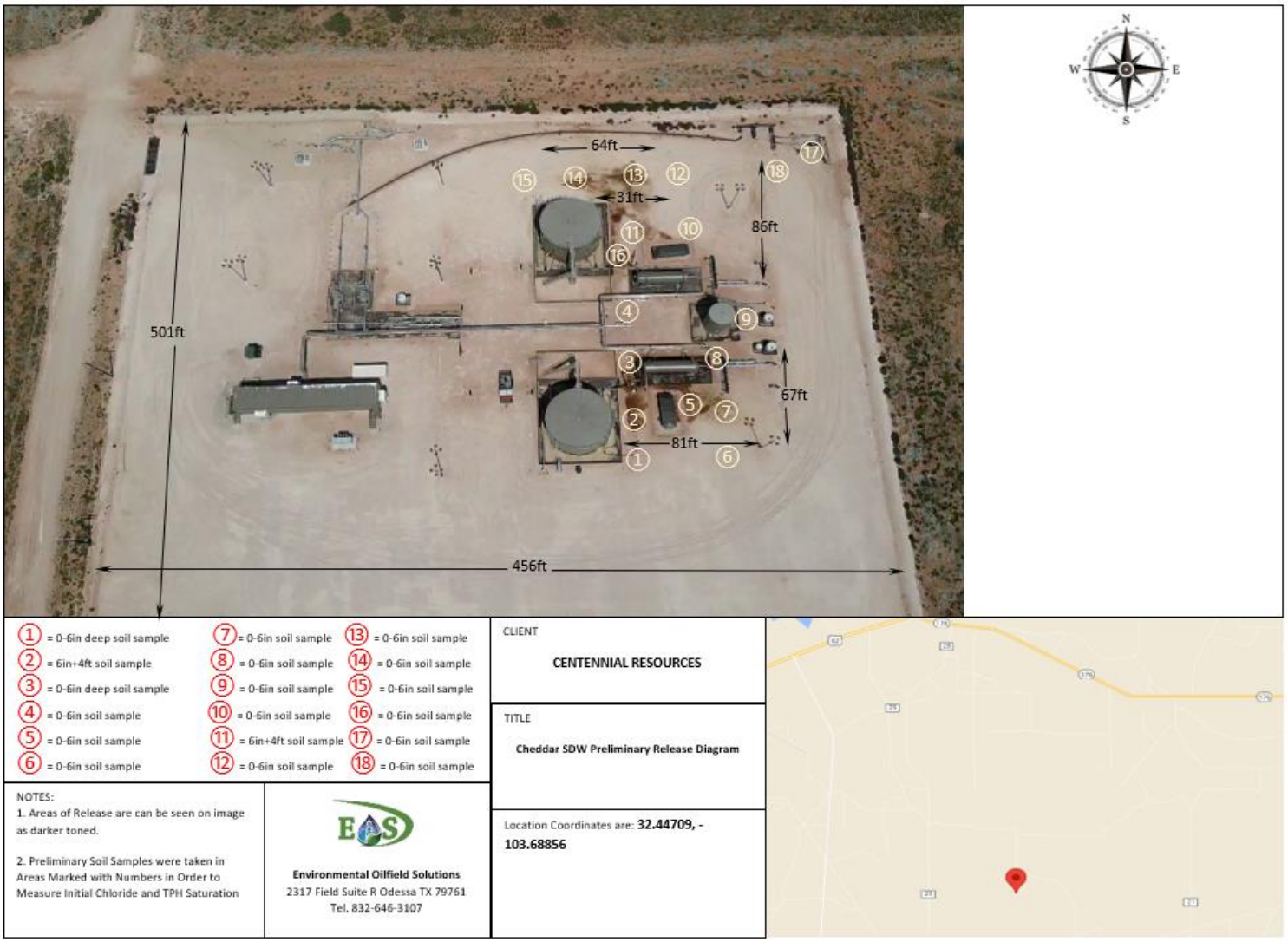
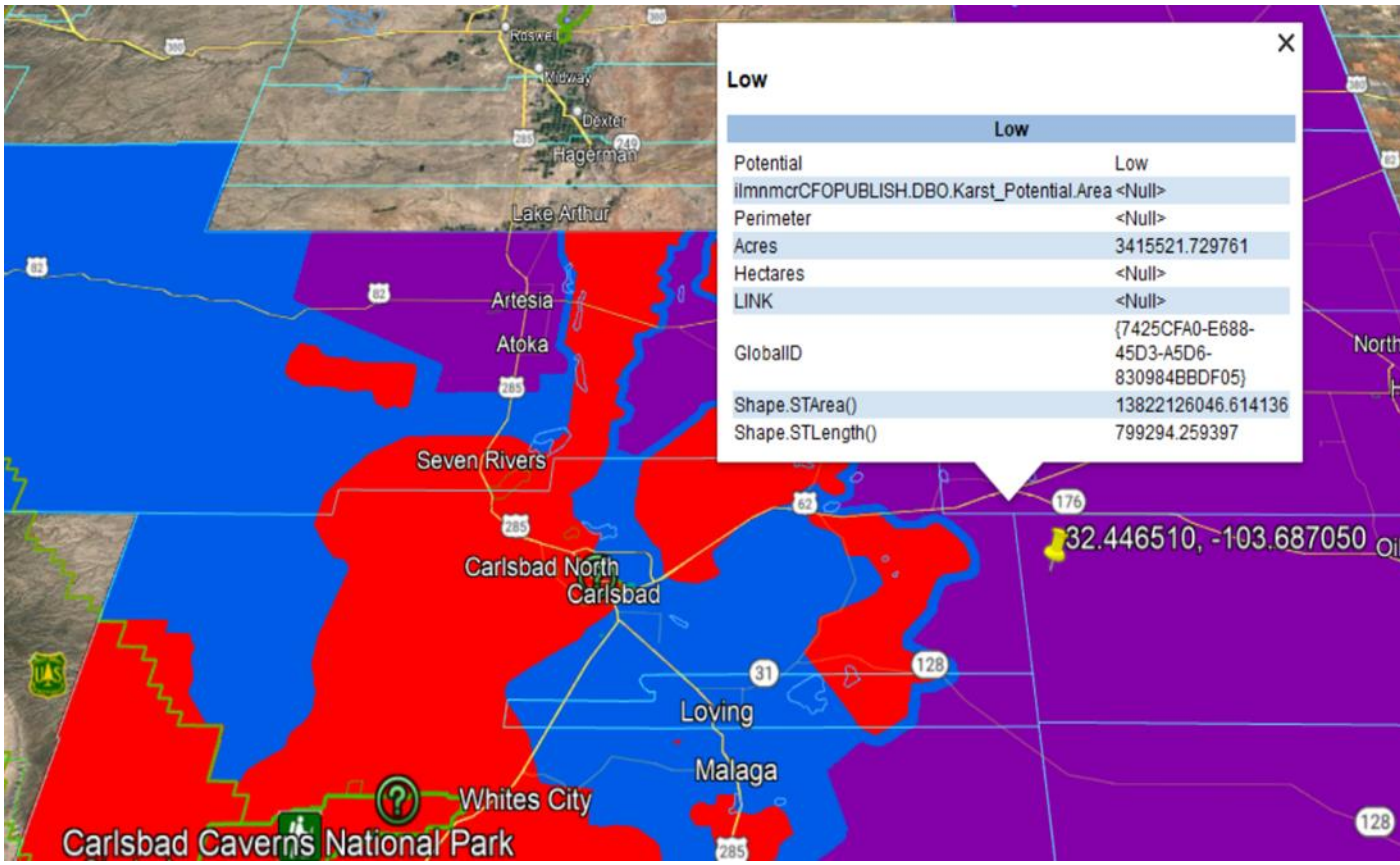


Figure 1: *Cheddar RP SWD Chloride Release Diagram*

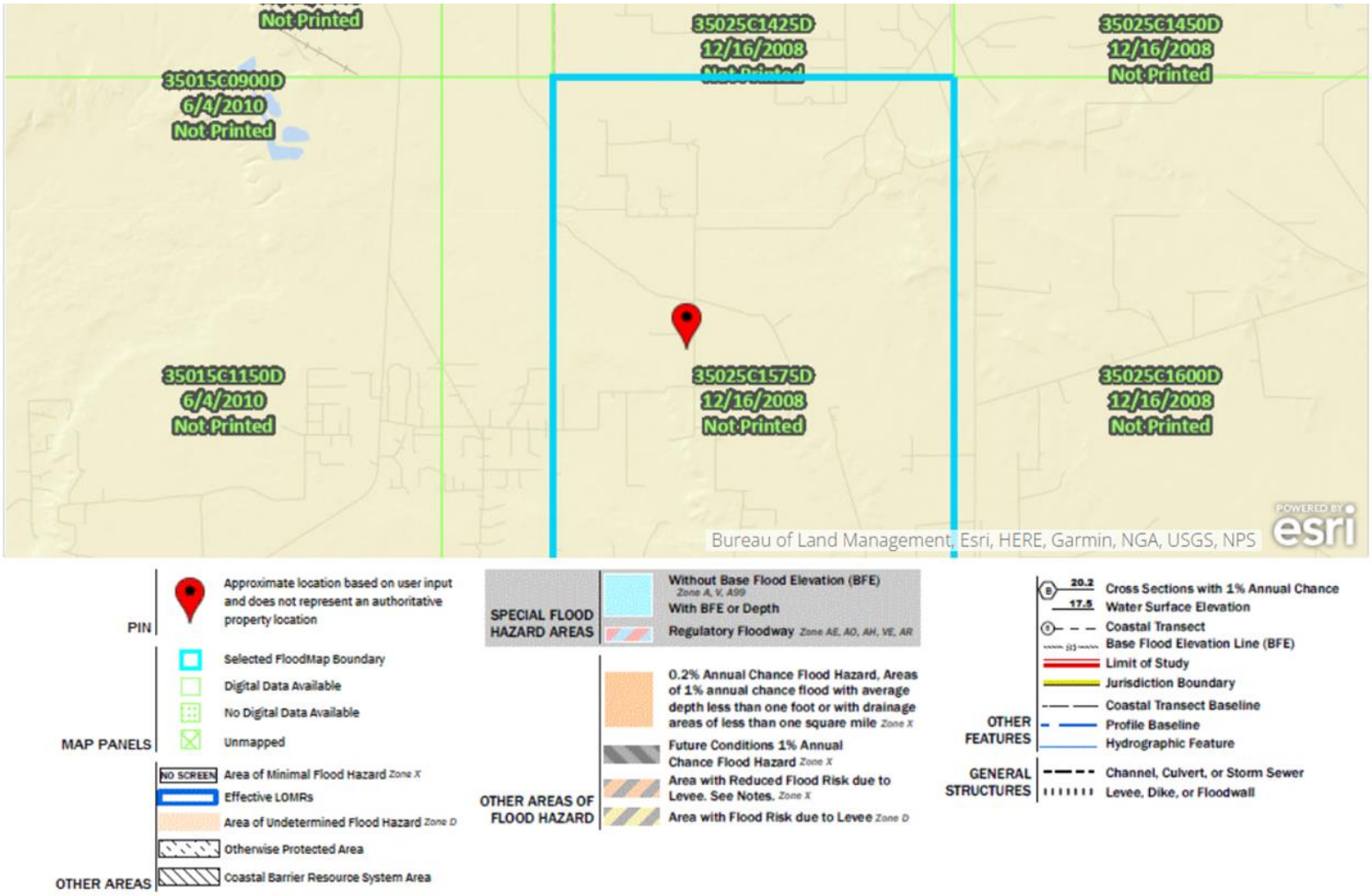
Figure 1, *Cheddar RP SWD Chloride Release Diagram,* above shows the diagram created for the soil reclamation process. Sample locations on diagram are shown with circled numbers 1-18. Samples taken from 9/7/2021 to the end of the project are directly correlated with the sample locations on the diagram 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



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.

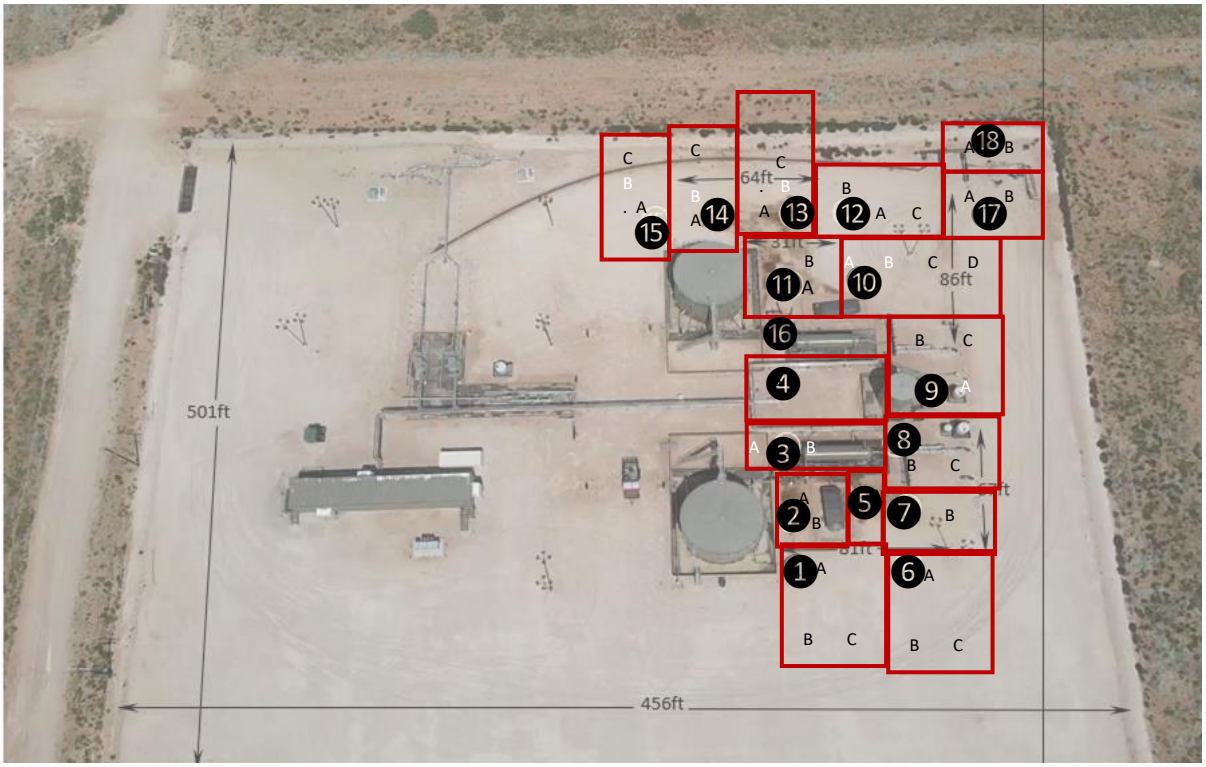


Figure 2: *Areal Image of Cheddar RP Showing Delineation Locations as quadrants.*

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 Cheddar Initial Grab Samples 9/07/2021 (*Technical Analysis ID:880-5912)*				
Sample ID Quadrant #	Sample Coordinates	Sample Depth	TPH Level	Chloride Level
1	32.446331, -103.687277	6in	<50	40.2
2	32.446425, -103.687265	6in	44100	6090
3	32.446510, -103.687260	6in	5430	4610
4	32.446599, -103.687260	6in	203	50.1
5	32.446420, -103.687110	6in	13400	8960
6	32.446300, -103.687050	6in	2010	2070
7	32.446435, -103.687050	6in	20700	5150
8	32.446550, -103.687099	6in	260	<50
9	32.446600, -103.687001	6in	289	5390
10	32.446800, -103.687100	6in	51.8	1620
11	32.446766, -103.687250	6in	<50	16700
12	32.446910, -103.687158	6in	<50	246
13	32.446910, -103.687250	6in	44700	17900
14	32.446910, -103.687350	6in	51000	18400
15	32.446910, -103.687510	6in	456	154
Background	32.446710, -103.687280	6in	72.6	11.9
6P4	32.446300, -103.687050	4ft	7000	1710
13P4	32.446910, -103.687250	4ft	168	105

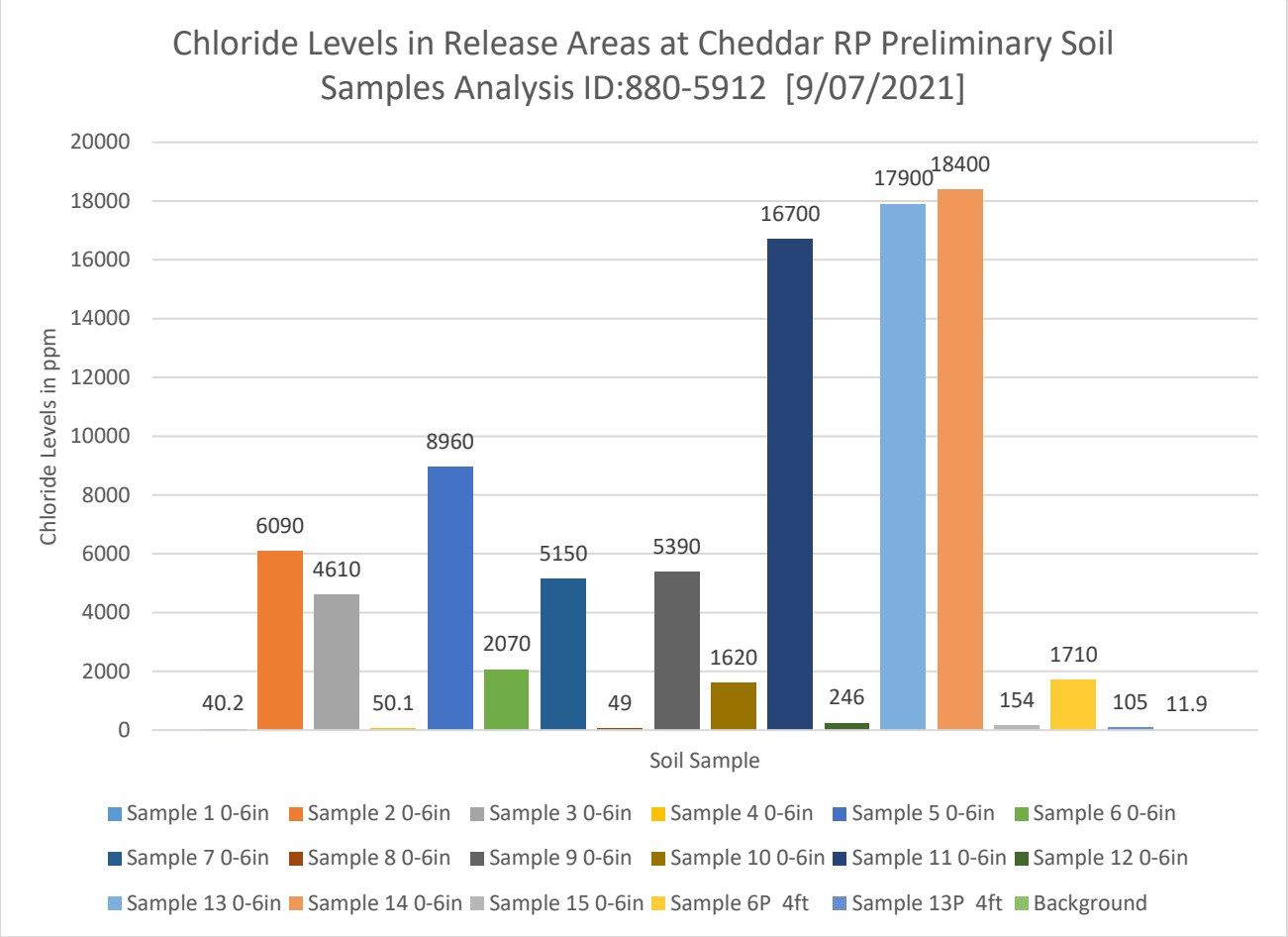


Chart 1, *Chloride Levels in Release Areas at … Analysis ID:880-5912 [9/07/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021. Results suggest high chloride surface contamination at some areas of the location.

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

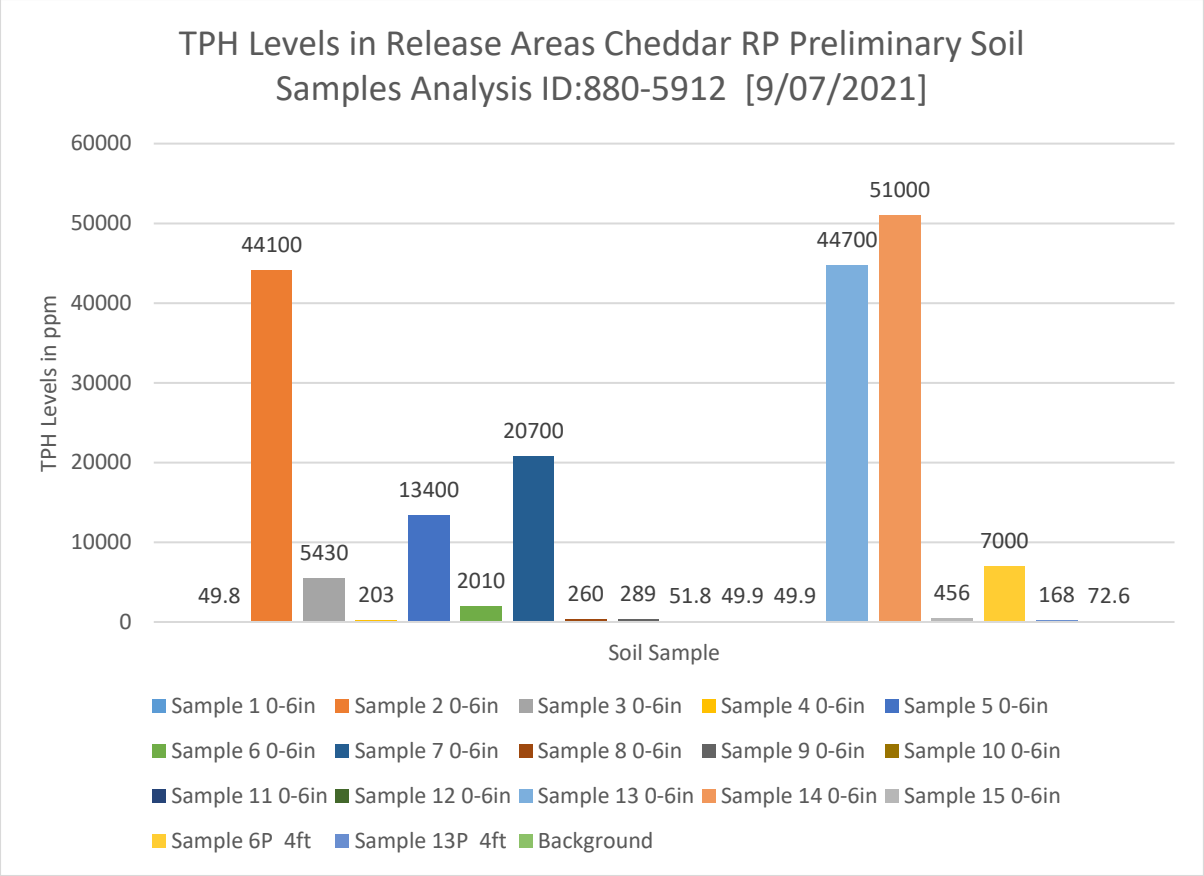


Chart 2, *TPH Levels in Release Areas at … Analysis ID:880-5912 [9/07/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021. Results suggest high TPH surface contamination at some areas of the location.

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

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

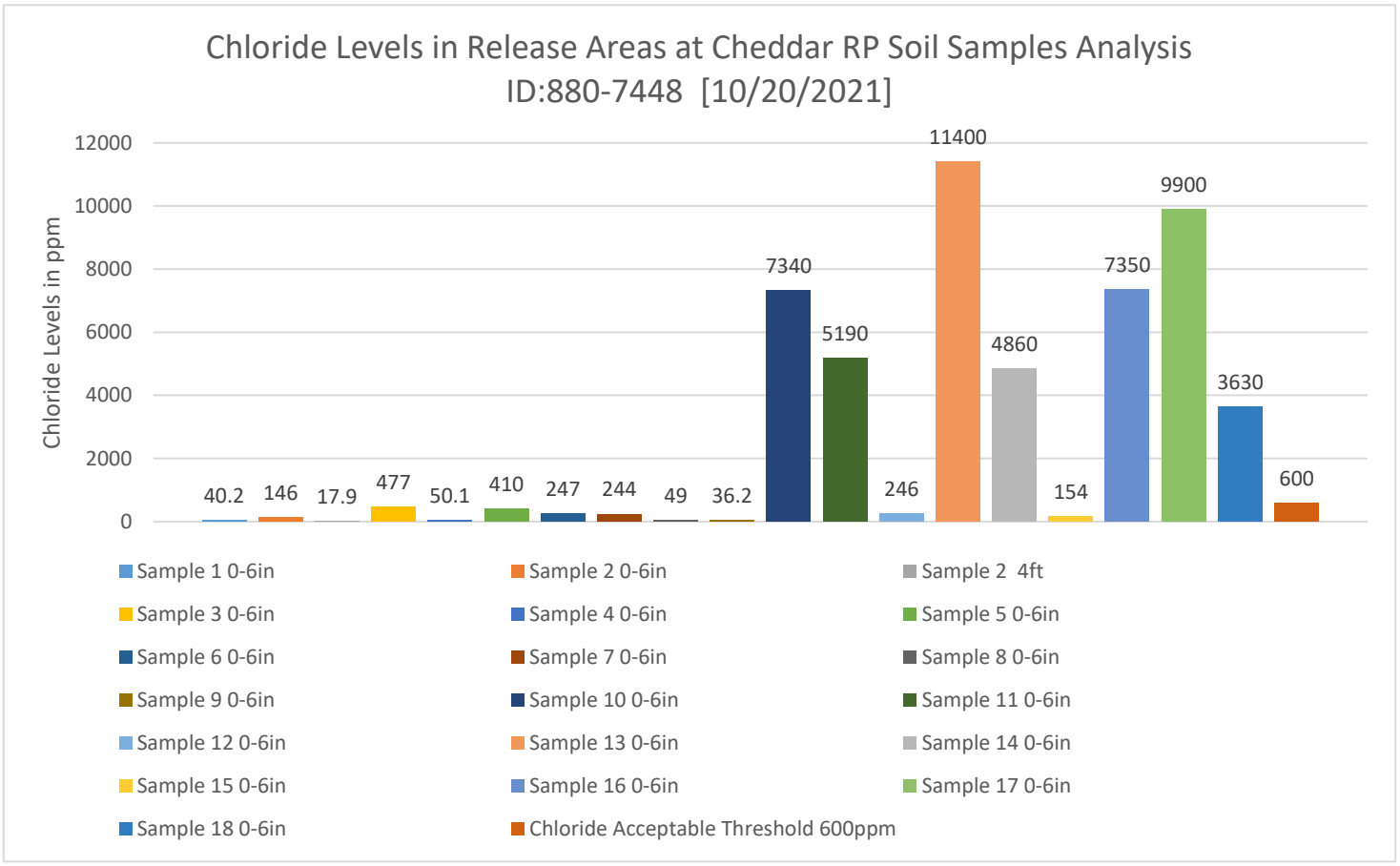


Chart 3, *Chloride Levels in Release Areas at Cheddar RP Soil Samples Analysis ID:880-7448 [10/20/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 10/20/2021. Samples taken here were for the purpose of tracking and recording the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

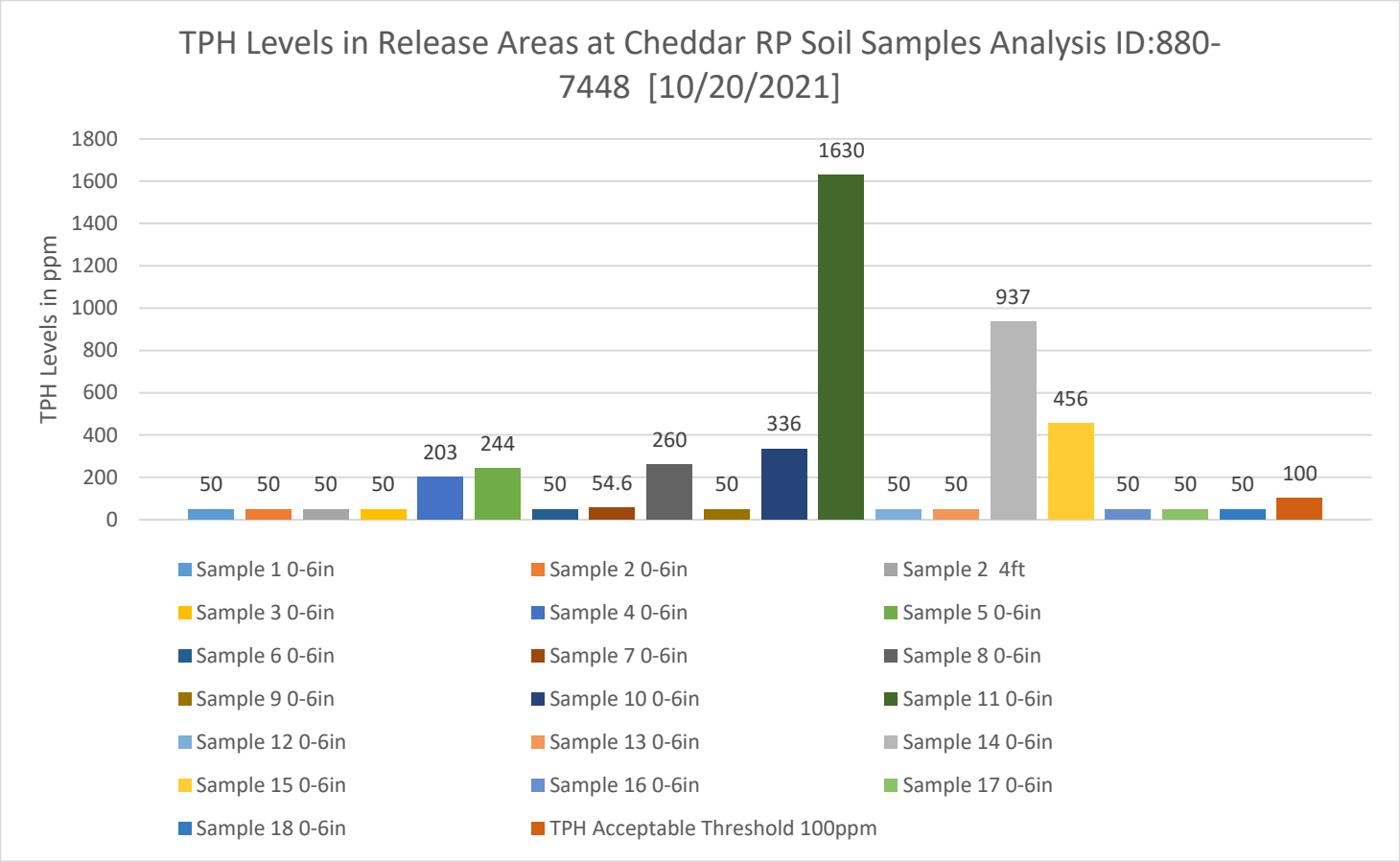


Chart 4, *TPH Levels in Release Areas at Cheddar RP Soil Samples Analysis ID:880-7448 [10/20/2021]* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 10/20/2021. Samples taken here were for the purpose of tracking and recording the progress 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 Quadrant #	Sample Coordinates	Sample Depth	TPH Level	Chloride Level
10	32.446800, -103.687100	1ft	_	193
11	32.446766, -103.687250	1ft	_	68.5
13	32.446910, -103.687250	1ft	_	68.5
14	32.446910, -103.687350	1ft	_	64.8
16	32.446710, -103.687280	1ft	_	161
17	32.446980, -103.686850	1ft	_	68.2
18	32.446901, -103.686910	1ft	_	22.8
11	32.446766, -103.687250	4ft	_	164

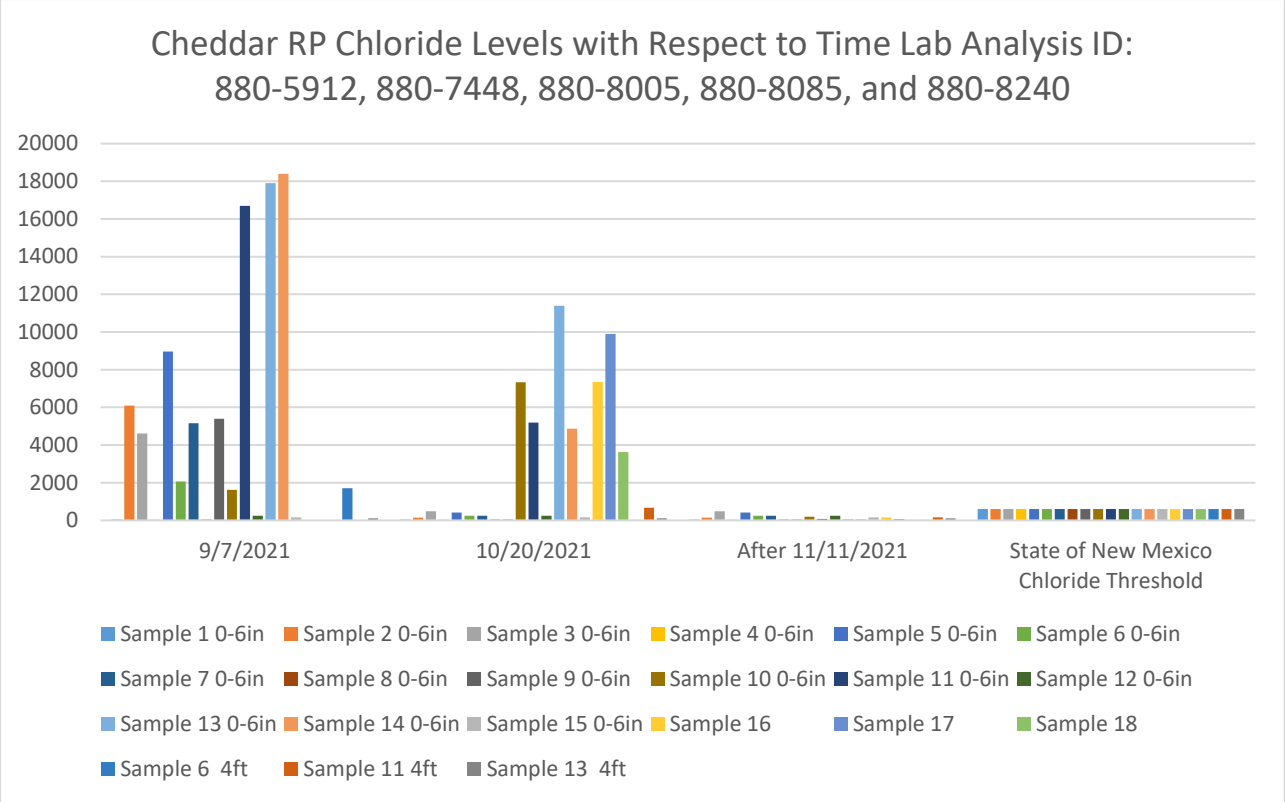


Chart 5, *Cheddar RP Chloride Levels with Respect to Time Lab Analysis ID: 880-5913, 880-7446, and 880-8241* above summarizes the Chloride levels results of soil sampling done on the location. Soil samples here were taken on 9/07/2021, 10/20/2021, and 11/11/2021. Charts here compares the chloride levels 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)

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	3220**	128
2	32.446425, -103.687265	4ft	<.002	<50	1430**
3	32.446510, -103.687260	6in	<.002	378**	53.4
3	32.446510, -103.687260	4ft	<.002	<50	73.4
4	32.446599, -103.687260	6in	<.002	<50	3510**
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

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 below shows the results from this lab analysis.

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

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 ananysis 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.

Table:6 Cheddar RP Final Composite Samples 2/01/2022 Samples 1 and 5-18 *(Analysis 880-10912); 4/19/2022 Samples 2-4 (Analysis 880-13895)*

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

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 1 Surface Sample

Lab Sample ID: 880-5912-1
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1
Total TPH	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 12:33	1

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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.2**		4.95	mg/Kg			09/11/21 21:12	1

Client Sample ID: 2 Surface Sample

Lab Sample ID: 880-5912-2
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U	249	mg/Kg		09/10/21 09:14	09/10/21 13:37	5
Diesel Range Organics (Over C10-C28)	**37000**		249	mg/Kg		09/10/21 09:14	09/10/21 13:37	5
Oil Range Organics (Over C28-C36)	**7140**		249	mg/Kg		09/10/21 09:14	09/10/21 13:37	5
Total TPH	**44100**		249	mg/Kg		09/10/21 09:14	09/10/21 13:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/10/21 09:14*	*09/10/21 13:37*	*5*
o-Terphenyl	*739*	*S1+*	*70 - 130*	*09/10/21 09:14*	*09/10/21 13:37*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6090**		50.4	mg/Kg			09/11/21 21:29	10

Client Sample ID: 3 Surface Sample

Lab Sample ID: 880-5912-3
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Method: 8015B NM - Diesel Range Organics (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		09/10/21 09:14	09/10/21 13:58	1
Diesel Range Organics (Over C10-C28)	**4480**		49.9	mg/Kg		09/10/21 09:14	09/10/21 13:58	1
Oil Range Organics (Over C28-C36)	**952**		49.9	mg/Kg		09/10/21 09:14	09/10/21 13:58	1
Total TPH	**5430**		49.9	mg/Kg		09/10/21 09:14	09/10/21 13:58	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 3 Surface Sample

Lab Sample ID: 880-5912-3
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	09/10/21 09:14	09/10/21 13:58	1
o-Terphenyl	101		70 - 130	09/10/21 09:14	09/10/21 13:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4610		24.9	mg/Kg			09/11/21 21:34	5

Client Sample ID: 4 Surface Sample

Lab Sample ID: 880-5912-4
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	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
Oil 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 Chromatography - Soluble

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 Surface Sample

Lab Sample ID: 880-5912-5
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U	249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
Diesel Range Organics (Over C10-C28)	11400		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
Oil Range Organics (Over C28-C36)	1970		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5
Total TPH	13400		249	mg/Kg		09/10/21 09:14	09/10/21 14:41	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/10/21 09:14	09/10/21 14:41	5
o-Terphenyl	109		70 - 130	09/10/21 09:14	09/10/21 14:41	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8960		50.0	mg/Kg			09/11/21 21:46	10

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 6 Surface Sample

Lab Sample ID: 880-5912-6
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline 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
Oil Range Organics (Over C28-C36)	419		50.0	mg/Kg		09/10/21 09:14	09/10/21 15:02	1
Total 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*
1-Chlorooctane	*107*		*70 - 130*	*09/10/21 09:14*	*09/10/21 15:02*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/10/21 09:14*	*09/10/21 15:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2070		24.9	mg/Kg			09/11/21 22:02	5

Client Sample ID: 7 Surface Sample

Lab Sample ID: 880-5912-7
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U	250	mg/Kg		09/10/21 09:14	09/10/21 15:24	5
Diesel Range Organics (Over C10-C28)	17800		250	mg/Kg		09/10/21 09:14	09/10/21 15:24	5
Oil Range Organics (Over C28-C36)	2940		250	mg/Kg		09/10/21 09:14	09/10/21 15:24	5
Total TPH	20700		250	mg/Kg		09/10/21 09:14	09/10/21 15:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/10/21 09:14*	*09/10/21 15:24*	*5*
o-Terphenyl	*113*		*70 - 130*	*09/10/21 09:14*	*09/10/21 15:24*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5150		24.8	mg/Kg			09/11/21 22:08	5

Client Sample ID: 8 Surface Sample

Lab Sample ID: 880-5912-8
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 15:58	1
Diesel Range Organics (Over C10-C28)	185		49.8	mg/Kg		09/10/21 09:14	09/10/21 15:58	1
Oil Range Organics (Over C28-C36)	75.1		49.8	mg/Kg		09/10/21 09:14	09/10/21 15:58	1
Total TPH	260		49.8	mg/Kg		09/10/21 09:14	09/10/21 15:58	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 8 Surface Sample

Lab Sample ID: 880-5912-8
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/10/21 09:14	09/10/21 15:58	1
o-Terphenyl	116		70 - 130	09/10/21 09:14	09/10/21 15:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.0		4.96	mg/Kg			09/11/21 22:14	1

Client Sample ID: 9 Surface Sample

Lab Sample ID: 880-5912-9
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
Diesel Range Organics (Over C10-C28)	231		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
Oil Range Organics (Over C28-C36)	57.7		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1
Total TPH	289		49.8	mg/Kg		09/10/21 09:14	09/10/21 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	09/10/21 09:14	09/10/21 16:33	1
o-Terphenyl	115		70 - 130	09/10/21 09:14	09/10/21 16:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5390		50.5	mg/Kg			09/11/21 22:19	10

Client Sample ID: 10 Surface Sample

Lab Sample ID: 880-5912-10
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 17:09	1
Oil Range Organics (Over C28-C36)	51.8		50.0	mg/Kg		09/10/21 09:14	09/10/21 17:09	1
Total TPH	51.8		50.0	mg/Kg		09/10/21 09:14	09/10/21 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/10/21 09:14	09/10/21 17:09	1
o-Terphenyl	124		70 - 130	09/10/21 09:14	09/10/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1620		25.0	mg/Kg			09/13/21 11:56	5

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Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 11 Surface Sample

Lab Sample ID: 880-5912-11
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Method: 8015B NM - Diesel Range Organics (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		09/10/21 09:14	09/10/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 09:14	09/10/21 17:51	1
Oil 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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*09/10/21 09:14*	*09/10/21 17:51*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/10/21 09:14*	*09/10/21 17:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16700**	**F1**	99.0		mg/Kg			09/11/21 22:30	20

Client Sample ID: 12 Surface Sample

Lab Sample ID: 880-5912-12
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Method: 8015B NM - Diesel Range Organics (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		09/10/21 09:14	09/10/21 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 09:14	09/10/21 18:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 09:14	09/10/21 18:12	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 09:14	09/10/21 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/10/21 09:14*	*09/10/21 18:12*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/10/21 09:14*	*09/10/21 18:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**246**		5.04		mg/Kg			09/11/21 22:47	1

Client Sample ID: 13 Surface Sample

Lab Sample ID: 880-5912-13
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U	249		mg/Kg		09/10/21 09:14	09/10/21 18:34	5
Diesel Range Organics (Over C10-C28)	**36400**		249		mg/Kg		09/10/21 09:14	09/10/21 18:34	5
Oil Range Organics (Over C28-C36)	**8320**		249		mg/Kg		09/10/21 09:14	09/10/21 18:34	5
Total TPH	**44700**		249		mg/Kg		09/10/21 09:14	09/10/21 18:34	5

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 13 Surface Sample

Lab Sample ID: 880-5912-13
Matrix: Solid
Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	09/10/21 09:14	09/10/21 18:34	5
o-Terphenyl	153	S1+	70 - 130	09/10/21 09:14	09/10/21 18:34	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17900		251	mg/Kg			09/11/21 22:53	50

Client Sample ID: 14 Surface Sample

Lab Sample ID: 880-5912-14
Matrix: Solid
Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<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
Oil Range Organics (Over C28-C36)	9920		498	mg/Kg		09/10/21 09:14	09/10/21 18:55	10
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18400		249	mg/Kg			09/11/21 23:10	50

Client Sample ID: 15 Surface Sample

Lab Sample ID: 880-5912-15
Matrix: Solid
Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 19:17	1
Diesel Range Organics (Over C10-C28)	346		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:17	1
Oil Range Organics (Over C28-C36)	110		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:17	1
Total TPH	456		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	09/10/21 09:14	09/10/21 19:17	1
o-Terphenyl	107		70 - 130	09/10/21 09:14	09/10/21 19:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.99	mg/Kg			09/11/21 23:15	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 16 Surface Sample Background

Lab Sample ID: 880-5912-16
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 0" - 6"

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
Oil Range Organics (Over C28-C36)	72.6		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1
Total TPH	72.6		50.0	mg/Kg		09/10/21 09:14	09/10/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/10/21 09:14*	*09/10/21 19:38*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/10/21 09:14*	*09/10/21 19:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		5.00	mg/Kg			09/11/21 23:21	1

Client Sample ID: 6P4 4ft

Lab Sample ID: 880-5912-17
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 4 ft

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	77.6		49.8	mg/Kg		09/10/21 09:14	09/10/21 19:59	1
Diesel Range Organics (Over C10-C28)	5960		49.8	mg/Kg		09/10/21 09:14	09/10/21 19:59	1
Oil Range Organics (Over C28-C36)	966		49.8	mg/Kg		09/10/21 09:14	09/10/21 19:59	1
Total TPH	7000		49.8	mg/Kg		09/10/21 09:14	09/10/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*09/10/21 09:14*	*09/10/21 19:59*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/10/21 09:14*	*09/10/21 19:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1710		24.9	mg/Kg			09/11/21 23:27	5

Client Sample ID: 13P4 4 ft

Lab Sample ID: 880-5912-18
Matrix: Solid

Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 4 ft

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

Analyte	Result	Qualifier	RL	Unit	D	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 20:21	1
Diesel Range Organics (Over C10-C28)	79.5		49.7	mg/Kg		09/10/21 09:14	09/10/21 20:21	1
Oil Range Organics (Over C28-C36)	88.3		49.7	mg/Kg		09/10/21 09:14	09/10/21 20:21	1
Total TPH	168		49.7	mg/Kg		09/10/21 09:14	09/10/21 20:21	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5912-1
SDG: New Mexico

Client Sample ID: 13P4 4 ft
Date Collected: 09/07/21 13:00
Date Received: 09/08/21 14:26
Sample Depth: 4 ft

Lab Sample ID: 880-5912-18
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/10/21 09:14	09/10/21 20:21	1
o-Terphenyl	120		70 - 130	09/10/21 09:14	09/10/21 20:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.95	mg/Kg			09/11/21 23:32	1

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #2 Cheddar RT 6"

Lab Sample ID: 880-7448-1
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Method: 8015B NM - Diesel Range Organics (DRO) (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 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:51	10/21/21 21:52	1
Oil 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-Terphenyl	*133*	*S1+*	*70 - 130*	*10/21/21 14:51*	*10/21/21 21:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		24.8		mg/Kg			10/23/21 21:53	5

Client Sample ID: #2 Cheddar RT 4'

Lab Sample ID: 880-7448-2
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 4'

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

Method: 8015B NM - Diesel Range Organics (DRO) (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 22:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:51	10/21/21 22:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:51	10/21/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/21/21 14:51*	*10/21/21 22:51*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/21/21 14:51*	*10/21/21 22:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		5.03		mg/Kg			10/23/21 22:15	1

Client Sample ID: #3 Cheddar RT

Lab Sample ID: 880-7448-3
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	266		50.0		mg/Kg			10/27/21 12:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #3 Cheddar RT

Lab Sample ID: 880-7448-3
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

Method: 8015B NM - Diesel Range Organics (DRO) (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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		25.2		mg/Kg			10/23/21 22:22	5

Client Sample ID: #5 Cheddar RT

Lab Sample ID: 880-7448-4
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

Method: 8015 NM - Diesel Range Organics (DRO) (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 Range Organics (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		10/21/21 14:51	10/21/21 23:31	1
Diesel Range Organics (Over C10-C28)	244		49.9		mg/Kg		10/21/21 14:51	10/21/21 23:31	1
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		25.1		mg/Kg			10/23/21 22:29	5

Client Sample ID: #6 Cheddar RT

Lab Sample ID: 880-7448-5
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Method: 8015B NM - Diesel Range Organics (DRO) (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	10/21/21 23:51	1

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #6 Cheddar RT

Lab Sample ID: 880-7448-5
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/21 14:51	10/21/21 23:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/21 14:51	10/21/21 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/21 14:51*	*10/21/21 23:51*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/21/21 14:51*	*10/21/21 23:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		24.8		mg/Kg			10/23/21 22:36	5

Client Sample ID: #7 Cheddar RT

Lab Sample ID: 880-7448-6
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.6		49.8		mg/Kg			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (DRO) (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 00:11	1
Diesel Range Organics (Over C10-C28)	54.6		49.8		mg/Kg		10/21/21 14:51	10/22/21 00:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/21 14:51	10/22/21 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*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 Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		5.04		mg/Kg			10/23/21 22:58	1

Client Sample ID: #9 Cheddar RT

Lab Sample ID: 880-7448-7
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (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		10/21/21 14:51	10/22/21 00:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 00:30	1

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #9 Cheddar RT

Lab Sample ID: 880-7448-7
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 00:30	1

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*

Method: 300.0 - Anions, Ion Chromatography - 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 Cheddar RT

Lab Sample ID: 880-7448-8
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	336		50.0		mg/Kg			10/27/21 12:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	227		50.0		mg/Kg		10/21/21 14:51	10/22/21 06:57	1
Diesel Range Organics (Over C10-C28)	109		50.0		mg/Kg		10/21/21 14:51	10/22/21 06:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:51	10/22/21 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*10/21/21 14:51*	*10/22/21 06:57*	*1*
o-Terphenyl	*128*		*70 - 130*	*10/21/21 14:51*	*10/22/21 06:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7340		49.7		mg/Kg			10/23/21 23:12	10

Client Sample ID: #11 Cheddar RT 6"

Lab Sample ID: 880-7448-9
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1630		49.9		mg/Kg			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (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		10/21/21 14:51	10/22/21 07:17	1
Diesel Range Organics (Over C10-C28)	1630		49.9		mg/Kg		10/21/21 14:51	10/22/21 07:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 07:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #11 Cheddar RT 6"

Lab Sample ID: 880-7448-9
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	10/21/21 14:51	10/22/21 07:17	1
o-Terphenyl	123		70 - 130	10/21/21 14:51	10/22/21 07:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5190		50.5	mg/Kg			10/23/21 23:19	10

Client Sample ID: #11 Cheddar RT 4'

Lab Sample ID: 880-7448-10
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 4'

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			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (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		10/21/21 14:51	10/22/21 07:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/21/21 14:51	10/22/21 07:37	1
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	671		5.00	mg/Kg			10/23/21 23:27	1

Client Sample ID: #13 Cheddar RT 6"

Lab Sample ID: 880-7448-11
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Method: 8015B NM - Diesel Range Organics (DRO) (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	10/22/21 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/21/21 14:51	10/22/21 08:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/21/21 14:51	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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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #13 Cheddar RT 6"

Lab Sample ID: 880-7448-11
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400	F1	100		mg/Kg			10/23/21 23:34	20

Client Sample ID: #14 Cheddar RT 6"

Lab Sample ID: 880-7448-12
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

Method: 8015 NM - Diesel Range Organics (DRO) (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 Range Organics (DRO) (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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4860		49.7		mg/Kg			10/23/21 23:55	10

Client Sample ID: #16 Cheddar RT 6"

Lab Sample ID: 880-7448-13
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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

Method: 8015B NM - Diesel Range Organics (DRO) (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 08:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/21 14:51	10/22/21 08:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/21 14:51	10/22/21 08:59	1

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-Terphenyl	116		70 - 130	10/21/21 14:51	10/22/21 08:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7350		49.9		mg/Kg			10/24/21 00:02	10

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-7448-1

Client Sample ID: #17 Cheddar RT 6"

Lab Sample ID: 880-7448-14
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (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		10/21/21 14:51	10/22/21 09:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 09:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9900		99.2		mg/Kg			10/24/21 00:24	20

Client Sample ID: #18 Cheddar RT 6"

Lab Sample ID: 880-7448-15
Matrix: Solid

Date Collected: 10/20/21 13:00
Date Received: 10/21/21 12:17
Sample Depth: 6"

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			10/27/21 12:13	1

Method: 8015B NM - Diesel Range Organics (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		10/21/21 14:51	10/22/21 09:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 09:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:51	10/22/21 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/21/21 14:51*	*10/22/21 09:40*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/21/21 14:51*	*10/22/21 09:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3630		25.2		mg/Kg			10/24/21 00:31	5

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-8005-1
SDG: Lea County NM

Client Sample ID: #10 1ft

Lab Sample ID: 880-8005-1
Matrix: Solid

Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		4.95		mg/Kg			11/08/21 00:15	1

Client Sample ID: #11 1ft

Lab Sample ID: 880-8005-2
Matrix: Solid

Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/21 16:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/05/21 13:34	11/06/21 23:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		11/05/21 13:34	11/06/21 23:46	1
Oil 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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		4.98		mg/Kg			11/08/21 00:26	1

Client Sample ID: #13 1ft

Lab Sample ID: 880-8005-3
Matrix: Solid

Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.7		4.95		mg/Kg			11/08/21 00:36	1

Client Sample ID: #14 1ft

Lab Sample ID: 880-8005-4
Matrix: Solid

Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.8		5.04		mg/Kg			11/08/21 00:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-8005-1
SDG: Lea County NM

Client Sample ID: #16 1ft
Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

Lab Sample ID: 880-8005-5
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		5.01		mg/Kg			11/08/21 00:57	1

Client Sample ID: #17 1ft
Date Collected: 11/04/21 15:00
Date Received: 11/05/21 11:29
Sample Depth: 1'

Lab Sample ID: 880-8005-6
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.2		4.99		mg/Kg			11/08/21 01:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-8085-1
SDG: Lea County, NM

Client Sample ID: #18 1 ft
Date Collected: 11/04/21 14:30
Date Received: 11/09/21 08:35
Sample Depth: 1'

Lab Sample ID: 880-8085-1
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.8		5.03		mg/Kg			11/09/21 17:04	1

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Client Sample Results

Client: Environmental Oilfield Solutions, LLC
Project/Site: Cheddar RT

Job ID: 880-8240-1
SDG: Lea County, NM

Client Sample ID: #11 Cheddar 4 ft
Date Collected: 11/11/21 12:00
Date Received: 11/11/21 15:46
Sample Depth: 4'

Lab Sample ID: 880-8240-1
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.0		mg/Kg		11/15/21 11:00	11/15/21 13:06	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 4
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-7
Matrix: Solid

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

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 15:14	1
Oil 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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3510		25.0	mg/Kg			02/09/22 17:56	5

Client Sample ID: 4
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 20:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 20:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 20:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 20:59	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/03/22 10:10	02/04/22 20:59	1

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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 15:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*02/04/22 12:21*	*02/07/22 15:35*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*02/04/22 12:21*	*02/07/22 15:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.8		4.98	mg/Kg			02/09/22 18:01	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 5
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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

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*		*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	mg/Kg			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	<50.0	U	50.0	mg/Kg			02/08/22 16:56	1

Method: 8015B NM - Diesel Range Organics (DRO) (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 12:21	02/07/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		5.01	mg/Kg			02/09/22 18:16	1

Client Sample ID: 5
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/03/22 10:10	02/04/22 23:12	1
Toluene	<0.00199	U	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

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*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/03/22 10:10*	*02/04/22 23:12*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 5

Lab Sample ID: 880-10912-10
Matrix: Solid

Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 16:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 16:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.98	mg/Kg			02/09/22 18:20	1

Client Sample ID: 6

Lab Sample ID: 880-10912-11
Matrix: Solid

Date Collected: 02/01/22 13:30
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	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 23:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 23:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 23:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 23:38	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/03/22 10:10	02/04/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*202*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 23:38*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/03/22 10:10*	*02/04/22 23:38*	*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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 16:58	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 6
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-11
Matrix: Solid

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

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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		24.8	mg/Kg			02/09/22 18:25	5

Client Sample ID: 6
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-12
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/05/22 00:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		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-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/03/22 10:10*	*02/05/22 00:05*	*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 (DRO) (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 Range Organics (DRO) (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 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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 17:18	1

Surrogate	*%Recovery*	*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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.00	mg/Kg			02/09/22 18:30	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 7
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-13
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 00:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 00:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 00:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 00:32	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/03/22 10:10	02/05/22 00:32	1

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*

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 17:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 17:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*02/04/22 12:21*	*02/07/22 17:39*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*02/04/22 12:21*	*02/07/22 17:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.00	mg/Kg			02/10/22 11:48	1

Client Sample ID: 7
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*211*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/05/22 00:58*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/03/22 10:10*	*02/05/22 00:58*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 7
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-14
Matrix: Solid

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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		24.9	mg/Kg			02/09/22 18:40	5

Client Sample ID: 8
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-15
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/05/22 01:25	1
m,p-Xylenes	<0.00401	U	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 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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 18:21	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 8
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-15
Matrix: Solid

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

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
Oil 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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		5.02	mg/Kg			02/09/22 18:45	1

Client Sample ID: 8
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/03/22 10:10	02/05/22 01:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/03/22 10:10	02/05/22 01:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/03/22 10:10	02/05/22 01:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/03/22 10:10	02/05/22 01:52	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		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 (DRO) (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: 8015B NM - Diesel Range Organics (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		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
Oil 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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229	F1	5.04	mg/Kg			02/09/22 19:23	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 9
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		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

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*

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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:03	1
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.3		5.05	mg/Kg			02/09/22 19:38	1

Client Sample ID: 9
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		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-Xylene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 02:45	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/03/22 10:10	02/05/22 02:45	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/03/22 10:10	02/05/22 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*21*	*S1-*	*70 - 130*	*02/03/22 10:10*	*02/05/22 02:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/03/22 10:10*	*02/05/22 02:45*	*1*

Eurofins Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 9
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-18
Matrix: Solid

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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 19:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 19:24	1

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 Chromatography - 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
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
Toluene	<0.00199	U F1 F2	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
o-Xylene	<0.00199	U F1 F2	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
Ethylbenzene	<0.00199	U F1 F2	0.00199	mg/Kg		02/04/22 08:11	02/04/22 20:23	1
m,p-Xylenes	<0.00398	U F1 F2	0.00398	mg/Kg		02/04/22 08:11	02/04/22 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (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*

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 19:46	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 10
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-19
Matrix: Solid

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

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
Oil Range Organics (Over C28-C36)	<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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		24.9	mg/Kg			02/09/22 19:48	5

Client Sample ID: 10
Date Collected: 02/01/22 13:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-20
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 20:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/04/22 08:11*	*02/04/22 20:43*	*1*
1,4-Difluorobenzene (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

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			02/08/22 16:56	1

Method: 8015B NM - Diesel Range Organics (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		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
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 20:06	1

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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.00	mg/Kg			02/10/22 12:03	1

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Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 11
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-21
Matrix: Solid

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*	*Prepared*	*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*	*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 (DRO) (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 Range Organics (DRO) (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 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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.2		5.00	mg/Kg			02/09/22 20:07	1

Client Sample ID: 11
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-22
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 21:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 21:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 21:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 21:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/04/22 08:11	02/04/22 21:24	1

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*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 11

Lab Sample ID: 880-10912-22
Matrix: Solid

Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 13:33	02/05/22 23:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/05/22 23:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/05/22 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		4.99	mg/Kg			02/09/22 20:12	1

Client Sample ID: 12

Lab Sample ID: 880-10912-23
Matrix: Solid

Date Collected: 02/01/22 14:00
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	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 21:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 21:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 21:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 21:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/04/22 08:11	02/04/22 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/04/22 08:11*	*02/04/22 21:44*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/04/22 08:11*	*02/04/22 21:44*	*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 (DRO) (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 Range Organics (DRO) (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 13:33	02/06/22 05:24	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 12
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-23
Matrix: Solid

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

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 13:33	02/06/22 05:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 13:33	02/06/22 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*02/04/22 13:33*	*02/06/22 05:24*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*02/04/22 13:33*	*02/06/22 05:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.95	mg/Kg			02/09/22 20:17	1

Client Sample ID: 12
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-24
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 22:05	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/22 08:11	02/04/22 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/04/22 08:11*	*02/04/22 22:05*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/04/22 08:11*	*02/04/22 22:05*	*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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 13:33	02/06/22 05:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/06/22 05:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/06/22 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*02/04/22 13:33*	*02/06/22 05:44*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*02/04/22 13:33*	*02/06/22 05:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.94		4.95	mg/Kg			02/09/22 20:22	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 13
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*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	mg/Kg			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			02/08/22 16:56	1

Method: 8015B NM - Diesel Range Organics (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		02/04/22 13:33	02/06/22 06:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/06/22 06:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 13:33	02/06/22 06:05	1

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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03	mg/Kg			02/09/22 20:26	1

Client Sample ID: 13
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 22:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 22:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/04/22 22:45	1
Ethylbenzene	<0.00199	U	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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/04/22 08:11*	*02/04/22 22:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/04/22 08:11*	*02/04/22 22:45*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 13
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-26
Matrix: Solid

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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*02/04/22 11:12*	*02/07/22 01:41*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*02/04/22 11:12*	*02/07/22 01:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.43	F1	5.05	mg/Kg			02/09/22 20:31	1

Client Sample ID: 14
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-27
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/04/22 23:06	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/04/22 08:11	02/04/22 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*02/04/22 08:11*	*02/04/22 23:06*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*02/04/22 08:11*	*02/04/22 23:06*	*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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 02:02	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 14
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-27
Matrix: Solid

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

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 02:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*02/04/22 11:12*	*02/07/22 02:02*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*02/04/22 11:12*	*02/07/22 02:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.60		5.01	mg/Kg			02/09/22 20:46	1

Client Sample ID: 14
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-28
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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

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 (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 02:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 02:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/04/22 11:12*	*02/07/22 02:43*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*02/04/22 11:12*	*02/07/22 02:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.7		4.98	mg/Kg			02/09/22 20:51	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 15
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-29
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 00:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 00:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 00:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/04/22 08:11	02/05/22 00:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/04/22 08:11	02/05/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/04/22 08:11*	*02/05/22 00:48*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/04/22 08:11*	*02/05/22 00:48*	*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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/04/22 11:12*	*02/07/22 03:03*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*02/04/22 11:12*	*02/07/22 03:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		4.95	mg/Kg			02/09/22 21:06	1

Client Sample ID: 15
Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-30
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 01:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 01:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 01:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 01:08	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/04/22 08:11	02/05/22 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/04/22 08:11*	*02/05/22 01:08*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*02/04/22 08:11*	*02/05/22 01:08*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 15

Lab Sample ID: 880-10912-30
Matrix: Solid

Date Collected: 02/01/22 14:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

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 (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 (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*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*

Method: 300.0 - Anions, Ion Chromatography - 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 Sample ID: 880-10912-31
Matrix: Solid

Date Collected: 02/01/22 14:30
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	<0.00199	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 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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 03:44	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 16
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-31
Matrix: Solid

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

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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	634		5.00	mg/Kg			02/09/22 21:16	1

Client Sample ID: 16
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-32
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/22 08:11	02/05/22 01:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:05	1

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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		5.05	mg/Kg			02/09/22 21:20	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 17
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-33
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*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*

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 (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 (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 04:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 04:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 04:25	1

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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.61		4.99	mg/Kg			02/09/22 21:25	1

Client Sample ID: 17
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-34
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/04/22 08:11	02/05/22 02:30	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/04/22 08:11	02/05/22 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/04/22 08:11*	*02/05/22 02:30*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/04/22 08:11*	*02/05/22 02:30*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 17
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-34
Matrix: Solid

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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*02/04/22 11:12*	*02/07/22 04:46*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*02/04/22 11:12*	*02/07/22 04:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U F1	4.98	mg/Kg			02/11/22 19:50	1

Client Sample ID: 18
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-35
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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/Kg		02/04/22 08:11	02/05/22 02:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/22 08:11	02/05/22 02:50	1

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*

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 (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 (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 05:06	1

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 18
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-35
Matrix: Solid

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

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 11:12	02/07/22 05:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 11:12	02/07/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*02/04/22 11:12*	*02/07/22 05:06*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/04/22 11:12*	*02/07/22 05:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		4.99	mg/Kg			02/11/22 20:17	1

Client Sample ID: 18
Date Collected: 02/01/22 14:30
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-36
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/04/22 08:11	02/05/22 03:11	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/04/22 08:11	02/05/22 03:11	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/04/22 08:11	02/05/22 03:11	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/04/22 08:11	02/05/22 03:11	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/04/22 08:11	02/05/22 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/04/22 08:11*	*02/05/22 03:11*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/04/22 08:11*	*02/05/22 03:11*	*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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	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 (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 05:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 05:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 11:12	02/07/22 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*02/04/22 11:12*	*02/07/22 05:26*	*1*
o-Terphenyl (Surr)	*79*		*70 - 130*	*02/04/22 11:12*	*02/07/22 05:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		4.98	mg/Kg			02/11/22 20:26	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 1
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		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*	*Prepared*	*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*		*70 - 130*	*02/03/22 10:10*	*02/04/22 17:54*	*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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 12:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 12:26	1

Surrogate	*%Recovery*	*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*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.14		4.97	mg/Kg			02/09/22 17:17	1

Client Sample ID: 1
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	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-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 18:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 18:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/03/22 10:10	02/04/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 18:20*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/03/22 10:10*	*02/04/22 18:20*	*1*

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 1

Lab Sample ID: 880-10912-2
Matrix: Solid

Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 13:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/04/22 12:21*	*02/07/22 13:28*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*02/04/22 12:21*	*02/07/22 13:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96	mg/Kg			02/09/22 17:22	1

Client Sample ID: 2

Lab Sample ID: 880-10912-3
Matrix: Solid

Date Collected: 02/01/22 13:00
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	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 18:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 18:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 18:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/03/22 10:10	02/04/22 18:46	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/03/22 10:10	02/04/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*221*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 18:46*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/03/22 10:10*	*02/04/22 18:46*	*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 (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3220		50.0	mg/Kg			02/08/22 16:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	54.4		50.0	mg/Kg		02/04/22 12:21	02/07/22 13:50	1

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Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 2
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	3170		50.0	mg/Kg		02/04/22 12:21	02/07/22 13:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/04/22 12:21	02/07/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*02/04/22 12:21*	*02/07/22 13:50*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*02/04/22 12:21*	*02/07/22 13:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.99	mg/Kg			02/09/22 17:27	1

Client Sample ID: 2
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 19:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 19:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 19:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 19:13	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/03/22 10:10	02/04/22 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*217*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 19:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/03/22 10:10*	*02/04/22 19:13*	*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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 14:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 14:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:11*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		25.2	mg/Kg			02/09/22 17:32	5

Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 3
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 6 in

Lab Sample ID: 880-10912-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		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	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 19:40*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/03/22 10:10*	*02/04/22 19:40*	*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

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

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 Range Organics (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		02/04/22 12:21	02/07/22 14:32	1
Diesel Range Organics (Over C10-C28)	378		49.9	mg/Kg		02/04/22 12:21	02/07/22 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/04/22 12:21	02/07/22 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:32*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		5.00	mg/Kg			02/09/22 17:37	1

Client Sample ID: 3
Date Collected: 02/01/22 13:00
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

Lab Sample ID: 880-10912-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 10:10	02/04/22 20:06	1
Ethylbenzene	<0.00200	U	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	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*206*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 20:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/03/22 10:10*	*02/04/22 20:06*	*1*

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Client Sample Results

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

Job ID: 880-10912-1
SDG: Lea County, NM

Client Sample ID: 3 — **Lab Sample ID: 880-10912-6**
Date Collected: 02/01/22 13:00 — **Matrix: Solid**
Date Received: 02/02/22 15:11
Sample Depth: 4 ft

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 (DRO) (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: 8015B NM - Diesel Range Organics (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		02/04/22 12:21	02/07/22 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/K			02/07/22 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/K			02/07/22 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:53*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/04/22 12:21*	*02/07/22 14:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.4		25.0	mg/Kg			02/09/22 17:42	5

Client Sample ID: 4 — **Lab Sample ID: 880-10912-7**
Date Collected: 02/01/22 13:00 — **Matrix: 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	<0.00200	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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*206*	*S1+*	*70 - 130*	*02/03/22 10:10*	*02/04/22 20:32*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/03/22 10:10*	*02/04/22 20:32*	*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 (DRO) (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 Range Organics (DRO) (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 12:21	02/07/22 15:14	1

Client Sample Results

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

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

Client Sample ID: 2 Com 6"

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

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

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/20/22 23:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/20/22 15:22	04/20/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*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 BTEX Calculation

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 Range Organics (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

Method: 8015B NM - Diesel Range Organics (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 11:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 11:28	1
Oil 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 Chromatography - Soluble

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'

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

Lab Sample ID: 880-13895-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		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	mg/Kg		04/20/22 15:22	04/20/22 23:30	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/20/22 15:22*	*04/20/22 23:30*	*1*

Client Sample Results

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

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

Client Sample ID: 2 Com 4'
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 4'

Lab Sample ID: 880-13895-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (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 BTEX Calculation

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 Range Organics (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

Method: 8015B NM - Diesel Range Organics (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 12:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 12:30	1
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		4.99	mg/Kg			04/20/22 17:22	1

Client Sample ID: 3 Com 6"
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 6"

Lab Sample ID: 880-13895-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/20/22 15:22	04/20/22 23:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/20/22 15:22	04/20/22 23:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/20/22 15:22	04/20/22 23:50	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		04/20/22 15:22	04/20/22 23:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/20/22 15:22	04/20/22 23:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/20/22 15:22	04/20/22 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/20/22 15:22*	*04/20/22 23:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/20/22 15:22*	*04/20/22 23:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/21/22 11:09	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			04/21/22 10:45	1

Client Sample Results

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

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

Client Sample ID: 3 Com 6"
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 6"

Lab Sample ID: 880-13895-3
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (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 12:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 12:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/20/22 09:58	04/20/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*04/20/22 09:58*	*04/20/22 12:51*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*04/20/22 09:58*	*04/20/22 12:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		4.95	mg/Kg			04/20/22 17:31	1

Client Sample ID: 3 Com 4'
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 4'

Lab Sample ID: 880-13895-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/20/22 15:22	04/21/22 00:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		04/20/22 15:22	04/21/22 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/20/22 15:22*	*04/21/22 00:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/20/22 15:22*	*04/21/22 00:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			04/21/22 11:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/21/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/20/22 09:58	04/20/22 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/20/22 09:58	04/20/22 13:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/20/22 09:58	04/20/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*04/20/22 09:58*	*04/20/22 13:12*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*04/20/22 09:58*	*04/20/22 13:12*	*1*

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: 3 Com 4'
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 4'

Lab Sample ID: 880-13895-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		5.04	mg/Kg			04/20/22 17:40	1

Client Sample ID: 4 Com 6"
Date Collected: 04/19/22 17:00
Date Received: 04/20/22 08:35
Sample Depth: 6"

Lab Sample ID: 880-13895-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/20/22 15:22	04/21/22 00:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		04/20/22 15:22	04/21/22 00:31	1

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 BTEX Calculation

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 Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/21/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		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
Oil Range Organics (Over C28-C36)	<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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.97	mg/Kg			04/20/22 17:50	1

Client Sample Results

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

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

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

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

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		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*		*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 BTEX Calculation

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 Range Organics (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

Method: 8015B NM - Diesel Range Organics (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
Oil 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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98	mg/Kg			04/20/22 18:17	1

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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 101645

CONDITIONS

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

CONDITIONS

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