# SITE INFORMATION

	Rep	ort Type: C	losure Red	quest ´	1RP-4183	
General Site Inf	ormation:					
Site:		SEMU Eumon	t #84 Release			
Company:		ConocoPhillip				
Section, Towns	<u> </u>	Unit A	Sec. 22	T 20S	R 37E	
Lease Number:		Associated A	PI No. 30-025-2	0654		
County:		Lea				
GPS:			32.564469			-103.232878
Surface Owner		State				
Mineral Owner:		N/A				
Directions:		right onto Billy	Walker Rd. Hea	ad west for 6.	33 miles. Cor	NM18 for 7.25 miles. Turn atinue west on dirt road for es. Site is on the right side
Release Data: Date Released: Type Release:		2/13/2016 Produced Wat	or			
Source of Conta	mination:	Transite Pipe				
Fluid Released:		5.4 bbls				
Fluids Recovere	d:	0 bbls				
Official Commu	inication:					
Name:	Jenni Fortunato				Christian M.	Llull
Company:	Conoco Phillips -	RMR			Tetra Tech	
Address:	935 N. Eldridge P	kwy.			8911 North (	Capital of Texas Highway
	<u> </u>				Building 2, S	· · · · ·
City:	Houston, Texas 7	7079			Austin, Texa	
,					(512) 338-28	
Phone number <sup>.</sup>	(832) 486-2730					
Phone number: Fax:	(832) 486-2730				(0.12) 000 20	

Site Characterization	
Shallowest Depth to Groundwater:	57' below surface
Impact to groundwater or surface water:	No
Extents within 300 feet of a watercourse:	No
Extents within 200 feet of lakebed, sinkhole, or playa la	No
Extents within 300 feet of an occupied structure:	No
Extents within 500 horizontal feet of a private water we	No
Extents within 1000 feet of any water well or spring:	No
Extents within incorporated municipal well field:	No
Extents within 300 feet of a wetland:	No
Extents overlying a subsurface mine:	No
Karst Potential:	Low
Extents within a 100-year floodplain:	No
Impact to areas not on a production site:	No

Recommended F	Remedial Action Lev	els (RRALs)		
Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	1,000 mg/kg	2,500 mg/kg	10,000 mg/kg
		NOTE:	100 mg/kg (0-4')	600 mg/kg (0-4')



June 29, 2021

District Supervisor Oil Conservation Division, District 1 1625 North French Drive Hobbs, New Mexico 88240

Re: Closure Report ConocoPhillips SEMU Eumont #84 Release Unit Letter A, Section 22, Township 20 South, Range 37 East Lea County, New Mexico 1RP-4183 Incident ID# NJXK1604825469

Sir or Madam:

ConocoPhillips is pleased to submit the following closure report in response to a release that occurred adjacent to the Southeast Monument Unit (SEMU) Eumont #84 well (API No. 30-025-20654), located in Unit Letter A, Section 22, Township 20 South, Range 37 East, Lea County, New Mexico (Site). The release Site coordinates are 32.564469°, -103.232878°. The Site location is shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) Initial Report (Form C-141), the release occurred on February 13, 2016 (Appendix A). The release occurred when a third party crossed over an 8-inch transite pipe during the installation and trench backfilling process. The release resulted in the discharge of 5.4 barrels (bbls) of produced water to the ground surface. The release extent is presented in Figure 3. Immediate action was to shut down the job and isolate the line. No fluids were recovered. The incident was assigned the Remediation Permit (RP) 1RP-4183 and the Incident ID NJXK1604825469. The 1RP-4183 release is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively.

## SITE CHARACTERIZATION

A site characterization was performed and per 19.15.29.12 NMAC, no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the Site is in a low karst potential area. The Site is within a New Mexico oil and gas production area.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within 800 meters (approximately ½ mile) of the Site. The search radius was expanded and based on available data from four (4) water wells located within 2,500 meters (approximately 1.55 miles) of the Site, average depth to groundwater is 55 feet below ground surface (bgs). The site characterization data is included in Appendix B.

## **REGULATORY FRAMEWORK**

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

Constituent	Remediation RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

Constituent	<b>Reclamation Requirements</b>
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

### **INITIAL RESPONSE**

In accordance with 19.15.29.8. B. (4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", ConocoPhillips elected to begin remediation of the impacted area in February 2017. The general footprint of the release extending from east of the release point over to the northwest edge was excavated to approximately two to three feet bgs (Figure 4). Impacted soil was disposed of in a permitted landfill facility. The far eastern portion of this excavated area was later backfilled for utility and pipeline access in 2017, as shown in Figure 4. A soil stockpile was brought in to final backfill the excavation, however, the excavated area was never fully backfilled.

## SITE ASSESSMENTS AND SAMPLING RESULTS

On March 28, 2018, Tetra Tech personnel were onsite to install soil borings to evaluate and delineate the vertical extent of contamination in the release area. As mentioned, the release area footprint had been previously excavated to a depth of approximately 3 feet bgs. A total of two (2) soil borings (BH-1 and BH-2) were completed to 3 feet bgs inside the release area footprint. A third soil boring was going to be completed on the east side, however, an air bridge completed over the excavation and backfill rendered this area inaccessible. Soil samples were collected, and field screened with a photoionization detector (PID) and for chlorides using an EC400 ExStik. Samples were placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times. Selected soil samples from each boring were analyzed for TPH by method 8015B modified, BTEX by Method 8260 and chloride by EPA method 300.0. The results of the initial sampling events in March 2018 are summarized in Table 1. The sample locations are shown on Figure 4. The analytical results associated with BH-1 (2018) and BH-2 (2018) were below RRALs for BTEX, TPH and chloride.

In order to more fully characterize and delineate the horizontal and vertical extents of the release area, Tetra Tech personnel conducted an additional assessment on November 14, 2019. A total of four (4) soil borings were installed, one within the excavated release area (BH-4) and three around the perimeter of the release area (BH-1, BH-2 and BH-3) (Figure 4). Borings BH-1 and BH-3 were advanced to 35 feet bgs. Boring BH-2 was advanced to 20 feet bgs, and BH-4 was advanced to 10 feet bgs. All samples were field

#### ConocoPhillips

screened for organic vapors with a PID and for chlorides using an ExStik. Samples were placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Pace Analytical (Pace). Selected samples were analyzed for TPH via EPA Method 8015B modified, BTEX via EPA Method 8260B and chloride via EPA Method 300.0. The results of the additional assessment event in November 2019 are summarized in Table 2. The sample locations are shown in Figure 4. The analytical results associated with borings BH-1 through BH-4 were below RRALs for TPH, BTEX and chloride.

Additionally, as part of the November 2019 soil assessment, Tetra Tech personnel collected two confirmation sidewall samples (SW-1 and SW-2) along the eastern sidewall of the existing excavation and one sample of the soil stockpile north of the release area (Stockpile-1). These samples were submitted to the analytical laboratory along with other samples associated with the November 2019 soil assessment. The results of the sidewall confirmation sampling in November 2019 are also summarized in Table 2. The confirmation sample locations are shown in Figure 5. The analytical results associated with confirmation sidewall samples SW-1 and SW-2 were below RRALs for TPH, BTEX and chloride.

After reviewing the analytical results of the combined assessments at the Site, the release was considered vertically and horizontally delineated according to the closure criteria listed in 19.15.29 NMAC Table I. After review of the analytical data from the confirmation sampling events, ConocoPhillips decided to collect additional sidewall samples to verify that the impacted materials were properly removed and determine if the existing excavation could be backfilled with no further expansion.

On January 28, 2020, Tetra Tech personnel were onsite to collect additional confirmation samples from the sidewalls and at bottom of the excavation. Eight (8) confirmation sidewall samples (SW-3 through SW-10) and four (4) confirmation floor samples (FS-1 through FS-4) were collected. Samples were placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Pace. Selected samples were analyzed for TPH via EPA Method 8015B modified, BTEX via EPA Method 8260B and chloride via EPA Method 300.0. The confirmation sampling locations are shown in Figure 5.

The results of the sidewall confirmation sampling in January 2020 are summarized in Table 3. All confirmation soil samples (floor and sidewall) were below the RRALs for BTEX, TPH and chloride, except for sidewall samples SW-3 and SW-6 and floor sample FS-2. The analytical results associated with sidewall samples SW-3 and SW-6 were above the RRAL for TPH in the top four feet (100 mg/kg). The analytical results associated with floor sample FS-2 was above the RRAL for TPH in the top four feet (100 mg/kg) with a total TPH concentration of 180.8 mg/kg.

## REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on May 7, 2020 with fee application payment PO Number 5DH13-200507-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Bradford Billings on Thursday, February 18, 2021.

## **REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING**

From April 27, 2021 through May 5, 2021, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

### ConocoPhillips

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. A total of seven (7) floor sample locations and eleven (11) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, and confirmation floor sample locations were labeled with "FS"-#. Selected areas required additional excavation to collect a representative sample that was below the respective RRALs for that location. As the analytical results associated with these sample locations exceeded the respective RRAL, additional excavation was conducted at those locations until field screening results indicated closure criteria were attained.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 4) post-additional excavation. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected. Excavated areas, depths and confirmation sample locations are shown in Figure 6.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8021B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Per the NMOCD-approved Work Plan, the western portion of the release extent was excavated to 2 additional feet below existing grade (for a total of 4 feet below surrounding grade). The eastern portion of the release extent was also excavated to 2 additional feet below existing grade and the eastern sidewall was expanded 6 feet to the east into the previously backfilled area. Due to the various excavation expansions, areas containing many of the original confirmation sidewall sample locations were removed. In these areas, additional confirmation floor samples were collected in accordance with the approved Alternative Confirmation Sampling Plan. After iterative confirmation sampling at the floor sample and sidewall sample locations, all final confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH. The results of the April-May 2021 confirmation sampling events are summarized in Table 4.

All the excavated material was transported offsite for proper disposal. Approximately 178 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Photographs from the excavated areas prior to backfill are provided in Appendix D. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. The reclaimed areas contain soil backfill consisting of suitable material to establish vegetation at the site. Copies of the waste manifests are included in Appendix E.

As prescribed in the Work Plan, the backfilled areas were seeded in May 2021 to aid in revegetation. Based on the soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

### CONCLUSION

ConocoPhillips respectfully requests closure of this release based on the confirmation sampling results and remediation activities performed. The SEMU Eumont #84 Release (1RP-4183) is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 338-2861 or Greg at (432) 682-4559.

Sincerely, Tetra Tech, Inc.

Christian M. Llull, P.G. Project Manager

50

Greg W. Pope, P.G. Program Manager

cc: Ms. Jenni Fortunato, RMR – ConocoPhillips Mr. Charles Beauvais, GPBU - ConocoPhillips ConocoPhillips

### LIST OF ATTACHMENTS

## Figures:

- Figure 1 Overview Map
- Figure 2 Topographic Map
- Figure 3 Approximate Release Extent
- Figure 4 Initial Response Actions and Release Assessment Map
- Figure 5 Confirmation Sampling Locations
- Figure 6 Additional Remediation Extent and Sampling Locations

## Tables:

- Table 1 Summary of Analytical Results Site Assessment
- Table 2 Summary of Analytical Results Additional Site Assessment
- Table 3 Summary of Analytical Results Initial Confirmation Sampling
- Table 4 Summary of Analytical Results Additional Confirmation Sampling

## Appendices:

- Appendix A C-141 Forms
- Appendix B Site Characterization Data
- Appendix C Laboratory Analytical Data
- Appendix D Photographic Documentation
- Appendix E Waste Manifests

Page 7 of 105

ConocoPhillips

# FIGURES





Released to Imaging: 1/26/2022 9:08:29 AM









# TABLES

#### TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT SEMU EUMONT #84 RELEASE LEA COUNTY, NM

		Sample	<b>F</b> : 110			BTEX <sup>2</sup>										TPH <sup>3</sup>								
Sample ID	Sample Date	Interval	Field Screen	ing Results	Chloride	9 <sup>1</sup>	Benzene	Benzene Toluene		Fthylbenze	Ethylbenzene Xylene T		Total BTEX	GRO (C <sub>3</sub> - C <sub>10</sub> ) <sup>4</sup>		DRO (C <sub>10</sub> - 0	ORO (C <sub>28</sub> - C <sub>40</sub> )		TPH (C <sub>3</sub> - C <sub>40</sub> )					
oumpre 12	oumple bute	ft bgs	Chloride	PID			Delizene					Total DIEA	0.00 (03- 010)		2.10 (010	-281	0110 (1028							
		it bgs	рр	m	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		
		0-1	70.1	0.2	81.7		< 0.00157		< 0.00302		< 0.00156		< 0.00578			< 0.0262		2.14	J	4.86		7.00		
BH-1	03/28/18	1-2	86.3	0.2	81.1		< 0.00160		< 0.00326		< 0.00159		< 0.00588			< 0.0267		< 1.98		1.1	J	1.1		
		2-3	120.0	0.4	181		< 0.00161		< 0.00329		< 0.00160		< 0.00594			< 0.0269		< 2.00		< 0.340				
	-																_		_		_			
		0-1	310.0	0.2	126		< 0.00139		< 0.00283		< 0.00138		< 0.00510			< 0.0232		< 1.72		< 0.292				
BH-2	03/28/18	1-2	79.6	0.3	146		< 0.00164		< 0.00333		< 0.00162		< 0.00601			< 0.0273		< 2.03		< 0.345				
		2-3	289	0.4	270		< 0.00142		< 0.00289		< 0.00141		< 0.00521			< 0.0237		28.4		13.00		41.40		

NOTES:

ft Feet

ppm

TPH

GRO

Bold	and italicized values indicate exceedance of RRALS.
1	Method 300.0

Below ground surface bgs Parts per million mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons

Gasoline range organics

NM Not measured HOLD Hold on sample analysis

2 Method 8260B

3 Method 8015

4 Method 8015D/GRO

B The same analyte is found in the associated blank.

J The identification of the analyte is acceptable; the reported value is an estimate.

T8 Sample(s) received past/too close to holding time expiration.

•

#### TABLE 2 SUMMARY OF ANALYTICAL RESULTS ADDITIONAL ASSESSMENT SEMU EUMONT #84 RELEASE LEA COUNTY, NM

		Sample									BTEX <sup>2</sup>						TPH <sup>3</sup>								
Sample ID	Sample Date	Interval	Field Screen Chloride	PID	Chloride	9 <sup>1</sup>	Benzene		Toluene		Ethylbenzer	ne	Xylene		Total BTEX	GRO (C <sub>3</sub> - C	(10) <sup>4</sup>	DRO (C <sub>10</sub> -	C <sub>28</sub> )	ORO (C <sub>28</sub> -	C <sub>40</sub> )	TPH (C <sub>3</sub> - C <sub>40</sub> )			
		ft bgs	pp		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg			
		0-1		0.8	33.7		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0498	ΒJ	3.78	J	8.75		12.5798			
		2-3		1.1	53.1		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0501	ΒJ	3.25	J	7.66		10.9601			
BH -1	11/14/19	4-5	137	1.1	25.9	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0985	J	< 4.00		4.44		4.54			
		6-7		1.2	5.7	ΒJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0423	J	< 4.00		1.3	J	1.3423			
		0-1		0.9	3.96	ВJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0372	J	< 4.00		2.07		2.1072			
		2-3	42.3	1.0	3.78	BJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0378	J	< 4.00		0.711	J	0.7488			
BH-2	11/14/19	4-5		1.2	6.29	ВJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0376	J	< 4.00		0.675	J	0.71			
		6-7	291	1.1	32.0	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0248	ВJ	< 4.00		4.8		4.8248			
																	_		-						
		0-1	128	1.1	13.9	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0492	ΒJ	7.59		19.9		27.5392			
		2-3		1.2	5.12	ΒJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0301	ВJ	< 4.00		1.42	J	1.4501			
		4-5	321	1.1	13.8	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0288	ΒJ	< 4.00		0.642	J	0.6708			
		6-7		0.5	11.4	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0261	ΒJ	< 4.00		0.892	J	0.9181			
BH-3	11/14/19	9-10	167	0.9	27.8	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0262	ΒJ	< 4.00		< 4.00		0.0262			
	,,	14-15	935	1.2	356		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0375	ΒJ	< 4.00		< 4.00		0.0375			
		19-20	843	0.8	463		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.038	ΒJ	< 4.00		< 4.00		0.038			
		24-25		0.9	434		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0248	ΒJ	< 4.00		1.13	J	1.1548			
		29-30	742	1.1	511		< 0.00100		< 0.00500		< 0.00250		< 0.00650			< 0.100		< 4.00		< 4.00					
		34-35	544	1.2	409		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.028	ΒJ	1.99	J	2.99	J	5.008			
		0-1	43.1	0.6	54.9		< 0.00100		< 0.00500		< 0.00250		< 0.00650			< 0.100		10.9		39.4		50.30			
		2-3		0.9	6.48	ВJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			< 0.100		3.32	J	16.2		19.52			
BH-4	11/14/19	4-5	68.9	0.8	5.58	ВJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			< 0.100		< 4.00		2.10	J	2.10			
		6-7		1.1	7.98	ВJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0253	ВJ	< 4.00		1.31	J	1.3353			
SW-1	11/14/19	-	0.9	29.6	35.1	В	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0236	ВJ	< 4.00		0.694	J	0.7176			
SW-2	11/14/19	-	0.8	421	91		< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.036	J	< 4.00		0.986	J	1.022			
Stockpile-1	11/14/19	-			3.13	ΒJ	< 0.00100		< 0.00500		< 0.00250		< 0.00650			0.0338	J	< 4.00		4.64		4.67			

NOTES: ft

bgs

ppm

Feet

#### Bold and italicized values indicate exceedance of RRALS.

- Below ground surface
  - 2 Method 8260B
- mg/kg Milligrams per kilogram
- NM Not measured
- HOLD Hold on sample analysis

Parts per million

- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics

- 1 Method 300.0
- 3 Method 8015
- 4 Method 8015D/GRO
- B The same analyte is found in the associated blank.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- T8 Sample(s) received past/too close to holding time expiration.

•

#### TABLE 3 SUMMARY OF ANALYTICAL RESULTS INITIAL CONFIRMATION SAMPLING SEMU EUMONT #84 RELEASE LEA COUNTY, NM

		Field Screening							BTEX <sup>2</sup>								TPH	3		
Sample ID	Sample Date	Results	Chloride	<b>e</b> <sup>1</sup>	Benzene		Toluene		Ethylbenze	ne	Xylene		Total BTEX	GRO $(C_3 - C_{10})^4$		DRO (C <sub>10</sub> - C <sub>28</sub> )		ORO (C <sub>28</sub> - C <sub>40</sub> )		TPH (C <sub>3</sub> - C <sub>40</sub> )
•	• • •	Chloride								-	,			0.00 (03 010)		. 10		57 × 20 4		. 3 40,
		ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
SW-3	01/28/20	125	16.5		0.000283	J	< 0.000155		<0.000114		< 0.000476		0.000283	0.0815	ΒJ	55.7		185		240.8
SW-4	01/28/20	88.7	13.6	В	0.000707		< 0.000150		<0.000110		< 0.000461		0.000707	0.0776	ВJ	20.6		65.3		86.0
SW-5	01/28/20	301	4.64	ΒJ	< 0.000123		< 0.000154		< 0.000113		< 0.000471			0.0814	ΒJ	< 1.65		3.95	J	4.03
SW-6	01/28/20	325.0	133		< 0.000120		<0.000151		< 0.000110		< 0.000462			0.0576	ВJ	190		397		587.1
SW-7	01/28/20	445	0.977	ΒJ	< 0.000126		< 0.000157		< 0.000115		< 0.000483			0.0800	ВJ	4.27		15.50		19.9
SW-8	01/28/20	530	103	В	< 0.000122		< 0.000153		< 0.000112		< 0.000469			0.0637	ВJ	< 1.64		1.6	J	1.7
SW-9	01/28/20	455	19.8		< 0.000123		< 0.000154		< 0.000113		< 0.000471			0.0637	ВJ	< 1.65		3.24	J	3.3
SW-10	01/28/20	85.4	1.12	ΒJ	< 0.000127		< 0.000159		< 0.000117		< 0.000488			0.064	ВJ	11.3		34		45.4
FS-1	01/28/20	319	3.53	ΒJ	< 0.000125		< 0.000156		< 0.000114		< 0.000477			0.0426	ВJ	6.02		21.3		27.4
FS-2	01/28/20	201	15.1	В	< 0.000121		< 0.000152		< 0.000111		< 0.000466			0.0539	ВJ	46.7		134		180.8
FS-3	01/28/20	216	12.9	В	< 0.000122		< 0.000152		< 0.000112		< 0.000467			0.0563	ΒJ	19.7	J	49.3		69.1
FS-4	01/28/20	256	2.51	ΒJ	< 0.000125		< 0.000157		< 0.000115		< 0.000480			0.0617	J	4.66		14.8		19.5

Feet

Below ground surface

Parts per million

mg/kg Milligrams per kilogram

Not measured

HOLD Hold on sample analysis

Total Petroleum Hydrocarbons

Gasoline range organics

ft

bgs

ppm

NM

TPH

GRO

Shaded rows indicate depth intervals proposed for excavation and remediation.

Bold and italicized values indicate exceedance of RRALS.

1 Method 300.0 2 Method 8260E

4

J

- Method 8260B
  Method 8015
  - Method 8015D/GRO
- B The same analyte is found in the associated blank.
  - The identification of the analyte is acceptable; the reported value is an estimate.
- T8 Sample(s) received past/too close to holding time expiration.
- DRO Diesel range organics
- ORO Oil range organics

#### TABLE 4

## SUMMARY OF ANALYTICAL RESULTS ADDITIONAL CONFIRMATION SAMPLING - 1RP-4183 CONOCOPHILLIPS SEMU EUMONT #84 REMEDIATION LEA COUNTY, NM

									BTEX <sup>2</sup>								TP	H <sup>3</sup>		
Sample ID	Sample Date	Sample Depth	Chloride1		Benzene		Toluene		Ethylbenzene		Total Xylene		Total BTEX	GRO <sup>4</sup>		DRO		ORO		Total TPH
Sample ID	Sample Date				Denzene		Tolucile		Ethylbelizene		rotal Aylene.	3	TOTALDIEX	C <sub>3</sub> - C <sub>10</sub>		C <sub>10</sub> - C <sub>28</sub>		C <sub>28</sub> - C <sub>40</sub>		(GRO+DRO+ORO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
FS-2 (4')	4/28/2021	4	< 20.2		< 0.00102		< 0.00508		< 0.00254		< 0.00661		-	< 0.101		< 4.03		1.21	ΒJ	1.21
FS-5 (4')	4/28/2021	4	< 20.2		< 0.00102		< 0.00511		< 0.00255		0.00126	ВJ	0.00126	< 0.101		< 4.04		0.433	ΒJ	0.433
FS-6 (4')	4/28/2021	4	< 20.3		< 0.00103		< 0.00517		< 0.00258		0.000982	ΒJ	0.000982	< 0.102		< 4.07		0.418	ΒJ	0.418
FS-7 (4')	4/28/2021	4	13.7	J	< 0.00102		< 0.00510		< 0.00255		0.000944	ΒJ	0.000944	< 0.101		< 4.04		5.53		5.53
FS-8 (4')	4/28/2021	4	138		< 0.00104		< 0.00519		< 0.00260		< 0.00675		-	< 0.102		< 4.08		0.646	J	0.646
FS-9 (4')	4/28/2021	4	< 20.6		< 0.00106		< 0.00532		< 0.00266		< 0.00692		-	< 0.103		< 4.13		6.26		6.26
FS-10 (4')	4/28/2021	4	214		< 0.00103		< 0.00516		< 0.00258		< 0.00671		-	< 0.102		< 4.06		< 4.06		-
SW-3 (4')	4/28/2021	-	103		0.000772	J	0.0118		0.00649		0.0324		0.0515	0.0512	J	19.0		103		122
SW-3 (5')*	5/4/2021	-	16.1		< 0.00109		0.00552	В	0.000925	J	0.00377	J	0.0113	0.0654	J	5.55		29.3		35
SW-6 (6')	4/28/2021	-	54.8		< 0.00102		0.00340	J	0.00148	J	0.00821	В	0.0131	< 0.101		< 4.04		1.66	ΒJ	1.66
SW-11	4/28/2021	-	17.6	J	< 0.00108		0.00168	J	0.000840	J	0.00434	ΒJ	0.00686	< 0.104		5.22		25.1		30.3
SW-12	4/28/2021	-	16.2	J	< 0.00110		< 0.00552		< 0.00276		0.00232	ΒJ	0.00232	< 0.105		5.02		27.7		32.7
SW-13	4/28/2021	-	< 20.2		< 0.00102		< 0.00508		< 0.00254		0.00222	ΒJ	0.00222	< 0.101		4.44		25.5		29.9
SW-14	4/28/2021	-	< 20.1		< 0.00101		< 0.00506		< 0.00253		0.00137	ΒJ	0.00137	< 0.101		< 4.02		1.30	ΒJ	1.30
SW-15	4/28/2021	-	< 21.1		< 0.00111		< 0.00554		< 0.00277		0.00194	ΒJ	0.00194	< 0.105		17.2		63.8		81.0
SW-16	4/28/2021	-	28.1		< 0.00110		< 0.00548		< 0.00274		0.00128	ΒJ	0.00128	0.0270	J	1.79	J	9.05		10.9
SW-17	4/28/2021	-	< 20.3		< 0.00103		< 0.00514		< 0.00257		0.00127	ΒJ	0.00127	< 0.101		1.64	J	8.61		10.3
SW-18	4/28/2021	-	< 20.2		< 0.00102		< 0.00510		< 0.00255		0.00136	ΒJ	0.00136	< 0.101		< 4.04		2.90	ΒJ	2.90
SW-19	4/28/2021	-	< 20.4		< 0.00104		< 0.00518		< 0.00259		0.00109	ΒJ	0.00109	< 0.102		< 4.07		0.443	ΒJ	0.443

<u>NOTES:</u> ft. Feet

bgs Below ground surface

ppm Parts per million

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

ORO Oil range organics

#### Bold and italicized values indicate exceedance of proposed RRALs

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

\* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

#### QUALIFIERS:

J

- B The same analyte is found in the associated blank.
  - The identification of the analyte is acceptable; the reported value is an estimate.

.

# APPENDIX A C-141 Forms

ceived by OCD: 6/30/2021/11:10:57PPM			RECE	IVEI	כ	Page 21					
12 Y IN PTERCH LIF HORDS INIVEXX/40		New Mex	ico By IK			7 am, Feb 17, 20					
Istrict II Energy Min 1 S. First St., Artesia, NM 88210	nerals a	ind Natura	I Resources	-		Kevised August 8,					
00 Rto Brazos Road Aztec NM 8/410		vation Div		Subi	nit 1 Copy ac	to appropriate District Office cordance with 19.15.29 NM					
<u>Istrict IV</u> 1220	South										
Sal		a Fe, NM 87505									
Release Notific				ction	_	_					
Name of Company: <b>ConocoPhillips</b>		OPERA'	FOR se A Zepeda		🖂 Initia	al Report 📃 Final R					
Address: 1410 N West County Road			No. 575-391-31	65							
Facility Name: SEMU Eumont #84		acility Typ									
Surface Owner: State Mineral O	wner: N	J/A			API No	0. 3002520654					
		OF RE	LEASE								
		South Line	Feet from the	East/W	/est Line	County Lea					
A 22 203 37E						Lea					
Latitude		_ Longitu	le								
	URE	OF REL									
Ype of Release: Produce Water        Source of Release: transite pipe			Release: 5.4 Jour of Occurrence	20		Recovered: 0 Hour of Discovery					
ource of Release. transite pipe		02/13/16 0		le	SAME	Hour of Discovery					
Vas Immediate Notice Given?	quired	If YES, To Jamie Key	Whom?								
By Whom? Jose A Zepeda			Iour: 02/16/2017								
Was a Watercourse Reached?		If YES, Vo	lume Impacting	the Wate	rcourse.						
f a Watercourse was Impacted, Describe Fully.*											
V/A											
Describe Cause of Problem and Remedial Action Taken.* On Febr											
crossed over a 8 inch transite pipe during the backfill process resul was to shut down job and isolate the line. Spill site will be remedia					with none	recovered. Immediate action					
Describe Area Affected and Cleanup Action Taken.*			unoed guidelin	<b>c</b> 5.							
hereby certify that the information given above is true and compl-											
regulations all operators are required to report and/or file certain re public health or the environment. The acceptance of a C-141 report											
hould their operations have failed to adequately investigate and re	emediate	contaminat	on that pose a thr	eat to gr	ound water	r, surface water, human heal					
or the environment. In addition, NMOCD acceptance of a C-141 r ederal, state, or local laws and/or regulations.	eport do	es not reliev	e the operator of	responsi	bility for c	compliance with any other					
			OIL CON	SERV	ATION	DIVISION					
· · · · · · · · · · · · · · · · · · ·											
					1	bu					
Signature: 905E A ZEPEDA	A	Approved by	Environmental S	pecialist	Jam	*lhye~					
lignature: JOSE A ZEPEDA	A	Approved by		pecialist	Jam						
Signature: <i>JOSE A ZEPEDA</i> Printed Name: Jose A Zepeda		Approved by Approval Da	02/17/2016	-	: Jam Expiration	04/17/2016					
Signature: <i>905E A 3EPEDA</i> Printed Name: Jose A Zepeda Fitle: LEAD HSE	A	Approval Da	te: 02/17/2016	-		04/17/2016					
Signature: <i>905E A ZEPEDA</i> Printed Name: Jose A Zepeda Fitle: LEAD HSE E-mail Address: <b>Jose. A. Zepeda@conocophillips.com</b>	/ ( D	Approval Da Conditions o iscrete site s	te: 02/17/2016 f Approval: amples only. Deli	I	Expiration	Date: 04/17/2016					
Signature: <i>905E A 3EPEDA</i> Printed Name: Jose A Zepeda Fitle: LEAD HSE	/ ( D	Approval Da	te: 02/17/2016 f Approval: amples only. Deli	I	Expiration	Date: 04/17/2016					
Signature: <i>905E A ZEPEDA</i> Printed Name: Jose A Zepeda Fitle: LEAD HSE	A C D pe	Approval Da Conditions o iscrete site s	te: 02/17/2016 f Approval: amples only. Deli	I	Expiration	Date: 04/17/2016					

Page 3

Oil Conservation Division

Incident ID	nJXK1604825469
District RP	1RP-4183
Facility ID	
Application ID	pJXK1604825576

Page 22 of 105

# 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?	<u>57</u> (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 <b>not</b> 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
- $\boxtimes$  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.

<b>Received by OCD: 6/30/2021/11</b> Form C-1+1	0:57PM		Page 23				
F01111 C-141		Incident ID	nJXK1604825469				
Page 4	Oil Conservation Division		District RP	1RP-4183			
			Facility ID				
			Application ID	pJXK1604825576			
regulations all operators are require public health or the environment. T failed to adequately investigate and addition, OCD acceptance of a C-14 and/or regulations. Printed Name: Marvin Soriwei	Date:	s and perform co sonot relieve the pundwater, surfa ibility for compl	prrective actions for rele coperator of liability sh ce water, human health iance with any other fe ager, Risk MGMT & F	eases which may endanger ould their operations have or the environment. In deral, state, or local laws			
OCD Only							
Received by:		Date:					

Received by OCD: 6/30/2021/11:10:57PM Form C-141 State of New Mexico

Page 5

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

	1 450 24 0/ 100
Incident ID	nJXK1604825469
District RP	1RP-4183
Facility ID	
Application ID	pJXK1604825576

Page 24 of 105

# **Remediation Plan**

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Marvin Soriwei Title: Program Manager, Risk MGMT & Remediation Signature: 🔀 Date: 5/7/2020 Telephone: 832-486-2730 email: marvin.soriwei@conocophillips.com **OCD Only** Received by: Date: Deferral Approved Approved Approved with Attached Conditions of Approval Denied Bradford Billings 02/16/2021 Date: Signature:

Variance request for maximum 500 sq.ft. for confirmation sampling is approved.

Page 6

Oil Conservation Division

Incident ID	
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.

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following i	tems 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									
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.								
OCD Only									
Received by:	Date:								
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.								
Closure Approved by:	Date:								
Printed Name:	Title:								

# APPENDIX B Site Characterization Data

# SEMU Eumont #84 Release



US Census Bureau, NMDOT, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/ NASA, EPA, USDA





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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(					2=NE 3 st to lar	3=SW 4=SE) gest) (NA	.D83 UTM in me	eters)	(	In feet)	
POD Number	POD Sub- Code basin (	County		Q ( 16 4	-	Tws	Rng	Х	Y	Distance	-	Depth Water	Water Column
L 14583 POD2	L	LE	1	3 ′	27	20S	37E	664664	3602311 🌍	2420	63	57	6
L 14583 POD1	L	LE	1	3 ~	27	20S	37E	664656	3602312 🌍	2423	65	57	8
L 14583 POD3	L	LE	3	3 ~	27	20S	37E	664647	3602313 🌍	2426	65	53	12
L 14583 POD4	L	LE	1	3 ~	27	20S	37E	664664	3602294 🌍	2434	50		
									Avera	ge Depth to	Water:	55	feet
										Minimum	Depth:	53	feet
										Maximum	Depth:	57	feet
Record Count: 4 UTMNAD83 Radius S	Search (in mete	ers):											

Easting (X): 665889.8

Northing (Y): 3604398.73

Radius: 2500

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

# APPENDIX C Laboratory Analytical Data

ace

Page 31 of 105

Analytical $^{\circ}$ ANALYT	ICAL REPORT	<sup>1</sup> Cp
		<sup>2</sup> Tc
ConocoPhillips - Te	etra Tech	<sup>3</sup> Ss
Sample Delivery Group:	L1345616	<sup>4</sup> Cn
Samples Received:	04/29/2021	<sup>5</sup> Sr
Project Number:	212C-MD-02480	
Description:	Semu Eumont 84 Remediation	<sup>6</sup> Qc
Report To:	Christian Llull	<sup>7</sup> Gl
	901 West Wall	<sup>8</sup> Al
	Suite 100	9
	Midland, TX 79701	Šc

Entire Report Reviewed By: Chu, faph June

Chris McCord Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace National Statement of the laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

# Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Released to Imaging: 126/2022 9:08:29 AM ConocoPhillips - Tetra Tech

PROJECT: 212C-MD-02480

SDG: L1345616

DATE/TIME: 05/03/21 22:18

PAGE: 1 of 39

Page	32	of	105	

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	7
Sr: Sample Results	8
SW-3 (4) L1345616-01	8
SW-6 (6) L1345616-02	9
SW-11 L1345616-03	10
SW-12 L1345616-04	11
SW-13 L1345616-05	12
SW-14 L1345616-06	13
SW-15 L1345616-07	14
SW-16 L1345616-08	15
SW-17 L1345616-09	16
SW-18 L1345616-10	17
SW-19 L1345616-11	18
FS-2 (4) L1345616-12	19
FS-5 (4) L1345616-13	20
FS-6 (4) L1345616-14	21
FS-7 (4) L1345616-15	22
FS-8 (4) L1345616-16	23
FS-9 (4) L1345616-17	24
FS-10 (4) L1345616-18	25
Qc: Quality Control Summary	26
Total Solids by Method 2540 G-2011	26
Wet Chemistry by Method 300.0	28
Volatile Organic Compounds (GC) by Method 8015D/GRO	29
Volatile Organic Compounds (GC/MS) by Method 8260B	32
Semi-Volatile Organic Compounds (GC) by Method 8015	33
GI: Glossary of Terms	35
Al: Accreditations & Locations	36
Sc: Sample Chain of Custody	37



PROJECT: 212C-MD-02480

SDG: L1345616 DATE/TIME: 05/03/21 22:18

ME: 22:18 PAGE: 2 of 39

# SAMPLE SUMMARY

Received date/time Collected by Collected date/time 04/28/21 10:00 04/29/21 12:00 Joe Tyler SW-3 (4) L1345616-01 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 14:12 ELN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662061 1 04/30/21 10:11 04/30/21 21:53 DWR Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 DWR Mt. Juliet, TN 04/30/2117:54 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 05/01/21 01:03 TJD Mt. Juliet, TN Collected by Collected date/time Received date/time 04/28/2110:10 04/29/21 12:00 Joe Tyler SW-6 (6) L1345616-02 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet. TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 14:30 FIN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662813 1 04/30/21 10:11 05/03/21 00:50 JAH Mt. Juliet. TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 04/30/21 10:11 04/30/21 18:14 DWR Mt. Juliet, TN 1 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 04/30/21 14:39 04/30/21 21:00 TID Mt Juliet TN 1 Collected by Collected date/time Received date/time Joe Tyler 04/28/21 10:20 04/29/21 12:00 SW-11 L1345616-03 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 05/03/21 11:05 ELN WG1663340 1 05/03/21 14:40 Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662061 04/30/21 10:11 DWR 1 04/30/21 22:37 Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 18:33 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 05/01/21 00:23 TJD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/21 10:30 04/29/21 12:00 SW-12 L1345616-04 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time 04/30/21 08:55 KDW Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 09:03 Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 14:49 ELN Mt. Juliet, TN WG1662061 1 DWR Volatile Organic Compounds (GC) by Method 8015D/GRO 04/30/21 10:11 04/30/21 22:59 Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/2118:52 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 23:15 T.JD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/2110:40 04/29/21 12:00 SW-13 L1345616-05 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time WG1661866 04/30/21 08:55 04/30/21 09:03 Total Solids by Method 2540 G-2011 1 KDW Mt. Juliet, TN 05/03/21 11:05 Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 14:59 ELN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662061 1 04/30/21 10:11 04/30/21 23:21 DWR Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B DWR WG1662185 1 04/30/21 10:11 04/30/21 19:11 Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 05/01/21 01:16 TJD Mt. Juliet. TN

PROJECT: 212C-MD-02480

SDG: L1345616 DATE/TIME: 05/03/21 22:18

PAGE: 3 of 39

Page 33 of 105

Τс

Ss

Cn

Sr

Qc

Gl

AI

Sc

# SAMPLE SUMMARY

Received date/time Collected by Collected date/time 04/28/2110.50 04/29/21 12:00 Joe Tyler SW-14 L1345616-06 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 15:08 ELN Mt. Juliet, TN Ss Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662061 1 04/30/21 10:11 04/30/21 23:43 DWR Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 DWR Mt. Juliet, TN 04/30/21 19:30 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 21:54 TJD Mt. Juliet, TN Cn Collected by Collected date/time Received date/time Sr 04/28/21 11:00 04/29/21 12:00 Joe Tyler SW-15 L1345616-07 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet. TN Gl Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 15:18 FLN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 1 04/30/21 10:11 04/30/21 21:48 ACG Mt. Juliet. TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 04/30/21 10:11 04/30/21 19:49 DWR Mt. Juliet, TN 1 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 04/30/21 14:39 05/01/21 01:30 TID Mt Juliet TN 1 Sc Collected by Collected date/time Received date/time Joe Tyler 04/28/21 11:20 04/29/21 12:00 SW-16 L1345616-08 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661866 1 04/30/21 08:55 04/30/21 09:03 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 05/03/21 11:05 FI N WG1663340 1 05/03/21 15:46 Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 04/30/21 10:11 04/30/21 22:10 1 ACG Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 20:08 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 23:28 TJD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/21 11:40 04/29/21 12:00 SW-17 L1345616-09 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time 04/30/21 11:32 KDW Total Solids by Method 2540 G-2011 WG1661867 1 04/30/21 11:47 Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 15:56 FI N Mt. Juliet, TN WG1662063 1 ACG Volatile Organic Compounds (GC) by Method 8015D/GRO 04/30/21 10:11 04/30/21 22:33 Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 20:27 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 23:42 T.JD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/2112:00 04/29/21 12:00 SW-18 L1345616-10 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time WG1661867 04/30/21 11:32 04/30/21 11:47 Total Solids by Method 2540 G-2011 1 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 16:05 FI N Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 1 04/30/21 10:11 04/30/21 22:55 ACG Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 20:47 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 22:35 TJD Mt. Juliet. TN

PROJECT: 212C-MD-02480

SDG: L1345616

DATE/TIME: 05/03/21 22:18

PAGE: 4 of 39

Page 34 of 105

Τс

Qc

AI

# SAMPLE SUMMARY

Received date/time Collected by Collected date/time 04/28/21 12.20 04/29/21 12:00 Joe Tyler SW-19 L1345616-11 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661867 1 04/30/21 11:32 04/30/21 11:47 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 16:15 ELN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 1 04/30/21 10:11 04/30/21 23:38 ACG Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 DWR Mt. Juliet, TN 04/30/21 21:06 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 22:08 TJD Mt. Juliet, TN Collected by Collected date/time Received date/time 04/28/21 12:40 04/29/21 12:00 Joe Tyler FS-2 (4) L1345616-12 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661867 1 04/30/21 11:32 04/30/21 11:47 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 16:53 FLN Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 1 04/30/21 10:11 05/01/21 00:00 ACG Mt. Juliet. TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 04/30/21 10:11 04/30/21 21:25 DWR Mt. Juliet, TN 1 Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 04/30/21 14:39 04/30/21 22.48 TID Mt Juliet TN 1 Collected by Collected date/time Received date/time Joe Tyler 04/28/21 13:00 04/29/21 12:00 FS-5 (4) L1345616-13 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661867 1 04/30/21 11:32 04/30/21 11:47 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 05/03/21 11:05 ELN WG1663340 1 05/03/21 17:03 Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 04/30/21 10:11 05/01/21 00:22 1 ACG Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 21:44 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 22:21 TJD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/21 13:10 04/29/21 12:00 FS-6 (4) L1345616-14 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time 04/30/21 11:32 KDW Total Solids by Method 2540 G-2011 WG1661867 1 04/30/21 11:47 Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/21 17:12 FI N Mt. Juliet, TN WG1662063 Volatile Organic Compounds (GC) by Method 8015D/GRO 1 ACG 04/30/21 10:11 05/01/21 00:44 Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 22:03 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662121 1 04/30/2114:39 04/30/21 23:01 T.JD Mt. Juliet, TN Collected by Collected date/time Received date/time Joe Tyler 04/28/2113:20 04/29/21 12:00 FS-7 (4) L1345616-15 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1661867 04/30/21 11:32 04/30/21 11:47 1 KDW Mt. Juliet, TN Wet Chemistry by Method 300.0 WG1663340 1 05/03/21 11:05 05/03/2117:41 FI N Mt. Juliet, TN Volatile Organic Compounds (GC) by Method 8015D/GRO WG1662063 1 04/30/21 10:11 05/01/21 01:06 ACG Mt. Juliet, TN Volatile Organic Compounds (GC/MS) by Method 8260B WG1662185 1 04/30/21 10:11 04/30/21 22:22 DWR Mt. Juliet, TN Semi-Volatile Organic Compounds (GC) by Method 8015 WG1662136 1 04/30/2114:56 05/01/21 01:53 TJD Mt. Juliet. TN

PROJECT: 212C-MD-02480

SDG: L1345616 DATE/TIME: 05/03/21 22:18

ME: 22:18 PAGE: 5 of 39

Page 35 of 105

Τс

Ss

Cn

Sr

Qc

Gl

AI

Sc

# SAMPLE SUMMARY

			Collected by	Collected date/time	Received da	te/time
FS-8 (4) L1345616-16 Solid			Joe Tyler	04/28/21 13:30	04/29/2112:	00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1661867	1	04/30/21 11:32	04/30/21 11:47	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1663340	1	05/03/21 11:05	05/03/21 17:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1662063	1	04/30/21 10:11	05/01/21 01:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1662185	1	04/30/21 10:11	04/30/21 22:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1662136	1	04/30/21 14:56	05/01/21 02:06	TJD	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time

FS-9 (4) L1345616-17 Solid			Joe Tyler	04/28/21 13:40	04/29/2112:0	00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1661867	1	04/30/21 11:32	04/30/21 11:47	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1663340	1	05/03/21 11:05	05/03/21 18:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1662063	1	04/30/21 10:11	05/01/21 01:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1662185	1	04/30/21 10:11	04/30/21 23:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1662136	1	04/30/2114:56	05/01/21 02:20	TJD	Mt. Juliet, TN

FS-10 (4) L1345616-18 Solid			Collected by Joe Tyler	Collected date/time 04/28/21 13:50	Received date/time 04/29/2112:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1661867	1	04/30/21 11:32	04/30/21 11:47	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1663340	1	05/03/21 11:05	05/03/21 18:09	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1662063	1	04/30/21 10:11	05/01/21 02:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1662185	1	04/30/21 10:11	04/30/21 23:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1662136	1	04/30/2114:56	05/01/21 02:33	TJD	Mt. Juliet, TN

PROJECT: 212C-MD-02480

SDG: L1345616

DATE/TIME: 05/03/21 22:18 PAGE: 6 of 39

Page 36 of 105

Cn Sr Qc Gl

Â

Sc

Ср

Тс
# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Project Manager

Released to Imaging: 1/26/2022 9:08:29 AM ConocoPhillips - Tetra Tech PROJECT: 212C-MD-02480

SDG: L1345616 DATE/TIME: 05/03/21 22:18

3

PAGE: 7 of 39 Reveired (by) OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 10:00

# SAMPLE RESULTS - 01

Page 38 of 105

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte		%			date / time		2
Total Solids		96.9		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	103		9.50	20.6	1	05/03/2021 14:12	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifior	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	Result (ury)	Qualifier	MDL (ury)	KDL (ury)	Dilution	· <b>)</b>	Batch	6
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	0.0512	J	0.0224	0.103	1	04/30/2021 21:53	WG1662061	L
(S) a,a,a-Trifluorotoluene(FID)	90.7			77.0-120		04/30/2021 21:53	<u>WG1662061</u>	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000772	J	0.000497	0.00106	1	04/30/2021 17:54	<u>WG1662185</u>
Toluene	0.0118		0.00138	0.00532	1	04/30/2021 17:54	<u>WG1662185</u>
Ethylbenzene	0.00649		0.000784	0.00266	1	04/30/2021 17:54	WG1662185
Total Xylenes	0.0324		0.000937	0.00692	1	04/30/2021 17:54	<u>WG1662185</u>
(S) Toluene-d8	106			75.0-131		04/30/2021 17:54	WG1662185
(S) 4-Bromofluorobenzene	103			67.0-138		04/30/2021 17:54	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/30/2021 17:54	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	19.0		1.66	4.13	1	05/01/2021 01:03	<u>WG1662121</u>
C28-C40 Oil Range	103		0.283	4.13	1	05/01/2021 01:03	<u>WG1662121</u>
(S) o-Terphenyl	50.2			18.0-148		05/01/2021 01:03	WG1662121

SDG: L1345616

Reveived (b) OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 10:10

# SAMPLE RESULTS - 02

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	99.0		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	54.8		9.29	20.2	1	05/03/2021 14:30	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
• • •		Quanner			Dilution	,	Baten	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	05/03/2021 00:50	WG1662813	
(S) a,a,a-Trifluorotoluene(FID)	90.7			77.0-120		05/03/2021 00:50	<u>WG1662813</u>	

# Volatile Organic Compounds (GC/MS) by Method 8260B

Result (dry)     Qualifier mg/kg     MDL (dry)     RDL (dry)     Dilution     Analysis     Batch       Analyte     mg/kg     mg/kg     mg/kg     date / time     date / time       Benzene     U     0.000476     0.00102     1     04/30/2021 18:14     WG1662185       Toluene     0.00340     J     0.000752     0.00255     1     04/30/2021 18:14     WG1662185       Ethylbenzene     0.00821     B     0.000752     0.00255     1     04/30/2021 18:14     WG1662185       Total Xylenes     0.00821     B     0.000898     0.00663     1     04/30/2021 18:14     WG1662185       (S) Toluene-d8     107     T     75.0-131     04/30/2021 18:14     WG1662185       (S) 1,2-Dichloroethane-d4     107     T     70.0-130     04/30/2021 18:14     WG1662185								
Benzene     U     0.000476     0.00102     1     04/30/2021 18:14     WG1662185       Toluene     0.00340     J     0.00133     0.00510     1     04/30/2021 18:14     WG1662185       Ethylbenzene     0.00148     J     0.000752     0.00255     1     04/30/2021 18:14     WG1662185       Total Xylenes     0.00821     B     0.000898     0.00663     1     04/30/2021 18:14     WG1662185       (S) Toluene-d8     107     75.0-131     04/30/2021 18:14     WG1662185       (S) 4-Bromofluorobenzene     102     67.0-138     04/30/2021 18:14     WG1662185		Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Toluene     0.00340     J     0.00133     0.00510     1     04/30/2021 18:14     WG1662185       Ethylbenzene     0.00148     J     0.000752     0.00255     1     04/30/2021 18:14     WG1662185       Total Xylenes     0.00821     B     0.000898     0.00663     1     04/30/2021 18:14     WG1662185       (S) Toluene-d8     107     75.0-131     04/30/2021 18:14     WG1662185       (S) 4-Bromofluorobenzene     102     67.0-138     04/30/2021 18:14     WG1662185	Analyte	mg/kg		mg/kg	mg/kg		date / time	
Ethylbenzene   0.00148   J   0.000752   0.00255   1   04/30/2021 18:14   WG1662185     Total Xylenes   0.00821   B   0.000898   0.00663   1   04/30/2021 18:14   WG1662185     (S) Toluene-d8   107   75.0-131   04/30/2021 18:14   WG1662185     (S) 4-Bromofluorobenzene   102   67.0-138   04/30/2021 18:14   WG1662185	Benzene	U		0.000476	0.00102	1	04/30/2021 18:14	<u>WG1662185</u>
Total Xylenes     0.00821     B     0.000898     0.00663     1     04/30/2021 18:14     WG1662185       (s) Toluene-d8     107     75.0-131     04/30/2021 18:14     WG1662185       (s) 4-Bromofluorobenzene     102     67.0-138     04/30/2021 18:14     WG1662185	Toluene	0.00340	Ţ	0.00133	0.00510	1	04/30/2021 18:14	<u>WG1662185</u>
(S) Toluene-d8 107 75.0-131 04/30/2021 18:14 WG1662185   (S) 4-Bromofluorobenzene 102 67.0-138 04/30/2021 18:14 WG1662185	Ethylbenzene	0.00148	J	0.000752	0.00255	1	04/30/2021 18:14	<u>WG1662185</u>
(S) 4-Bromofluorobenzene 102 67.0-138 04/30/2021 18:14 WG1662185	Total Xylenes	0.00821	B	0.000898	0.00663	1	04/30/2021 18:14	<u>WG1662185</u>
	(S) Toluene-d8	107			75.0-131		04/30/2021 18:14	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4 107 70.0-130 04/30/2021 18:14 WG1662185	(S) 4-Bromofluorobenzene	102			67.0-138		04/30/2021 18:14	<u>WG1662185</u>
	(S) 1,2-Dichloroethane-d4	107			70.0-130		04/30/2021 18:14	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.63	4.04	1	04/30/2021 21:00	WG1662121
C28-C40 Oil Range	1.66	<u>B J</u>	0.277	4.04	1	04/30/2021 21:00	<u>WG1662121</u>
(S) o-Terphenyl	35.8			18.0-148		04/30/2021 21:00	<u>WG1662121</u>

SDG: L1345616 DATE/TIME: 05/03/21 22:18

<sup>3</sup>Ss <sup>1</sup>Cn

Sr

Â

Sc

Revel ived by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 03

Page 40 of 105

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/2110:20

	-							'n
		Result	Qualifier	Dilution	Analysis	Batch		Ψ
Analyte		%			date / time		2	_
Total Solids		96.0		1	04/30/2021 09:03	WG1661866	- [ <sup>2</sup> T	С

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.6	J	9.59	20.8	1	05/03/2021 14:40	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
	Result (dry)	Quanner	WDE (ury)	KDE (dry)	Dilution	,	Baten	e	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			C
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	04/30/2021 22:37	WG1662061		
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120		04/30/2021 22:37	WG1662061	5	<sup>7</sup> G

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000506	0.00108	1	04/30/2021 18:33	<u>WG1662185</u>
Toluene	0.00168	Ţ	0.00141	0.00542	1	04/30/2021 18:33	<u>WG1662185</u>
Ethylbenzene	0.000840	J	0.000799	0.00271	1	04/30/2021 18:33	WG1662185
Total Xylenes	0.00434	<u>B J</u>	0.000954	0.00705	1	04/30/2021 18:33	<u>WG1662185</u>
(S) Toluene-d8	104			75.0-131		04/30/2021 18:33	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 18:33	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/30/2021 18:33	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.22		1.68	4.17	1	05/01/2021 00:23	WG1662121
C28-C40 Oil Range	25.1		0.286	4.17	1	05/01/2021 00:23	WG1662121
(S) o-Terphenyl	54.5			18.0-148		05/01/2021 00:23	WG1662121

SDG: L1345616

# Revelored by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 04

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 10:30

						l'Cn
	Result	Qualifier	Dilution	Analysis	Batch	Cp
Analyte	%			date / time		2
Total Solids	95.0		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	16.2	J	9.68	21.0	1	05/03/2021 14:49	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
A		Qualifier			Dilution	,	Batch	e	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			6
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	04/30/2021 22:59	<u>WG1662061</u>	L	_
(S) a,a,a-Trifluorotoluene(FID)	93.5			77.0-120		04/30/2021 22:59	<u>WG1662061</u>	7	<sup>7</sup> G

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000516	0.00110	1	04/30/2021 18:52	WG1662185
Toluene	U		0.00144	0.00552	1	04/30/2021 18:52	WG1662185
Ethylbenzene	U		0.000814	0.00276	1	04/30/2021 18:52	WG1662185
Total Xylenes	0.00232	<u>B J</u>	0.000972	0.00718	1	04/30/2021 18:52	WG1662185
(S) Toluene-d8	106			75.0-131		04/30/2021 18:52	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 18:52	WG1662185
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/30/2021 18:52	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.02		1.69	4.21	1	04/30/2021 23:15	WG1662121
C28-C40 Oil Range	27.7		0.288	4.21	1	04/30/2021 23:15	<u>WG1662121</u>
(S) o-Terphenyl	47.6			18.0-148		04/30/2021 23:15	WG1662121

Revelored by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 05

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 10:40

	Result	Qualifier	Dilution	Analysis	Batch	C	Ср
Analyte	%	Guainer	Dilution	date / time		2	
Total Solids	99.2		1	04/30/2021 09:03	WG1661866	T	Гс

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.27	20.2	1	05/03/2021 14:59	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifior	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
	Result (ury)	Qualifier	MDL (ury)	KDL (ury)	Dilution	,	Batch	6	ô
Analyte	mg/kg		mg/kg	mg/kg		date / time			Q
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	04/30/2021 23:21	WG1662061	L	
(S) a,a,a-Trifluorotoluene(FID)	92.4			77.0-120		04/30/2021 23:21	<u>WG1662061</u>	7	GI

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000475	0.00102	1	04/30/2021 19:11	WG1662185
Toluene	U		0.00132	0.00508	1	04/30/2021 19:11	WG1662185
Ethylbenzene	U		0.000749	0.00254	1	04/30/2021 19:11	WG1662185
Total Xylenes	0.00222	<u>B J</u>	0.000894	0.00660	1	04/30/2021 19:11	WG1662185
(S) Toluene-d8	105			75.0-131		04/30/2021 19:11	WG1662185
(S) 4-Bromofluorobenzene	103			67.0-138		04/30/2021 19:11	WG1662185
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/30/2021 19:11	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.44		1.62	4.03	1	05/01/2021 01:16	<u>WG1662121</u>
C28-C40 Oil Range	25.5		0.276	4.03	1	05/01/2021 01:16	<u>WG1662121</u>
(S) o-Terphenyl	49.5			18.0-148		05/01/2021 01:16	WG1662121

SDG: L1345616

Revel by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 06

Ss

Cn

Â

Sc

### Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 10:50

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	99.4		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.26	20.1	1	05/03/2021 15:08	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
	Result (ury)	Quanner	WDE (ury)	KDE (ury)	Dilution	,	Baten	e	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			C
TPH (GC/FID) Low Fraction	U		0.0218	0.101	1	04/30/2021 23:43	WG1662061		
(S) a,a,a-Trifluorotoluene(FID)	94.7			77.0-120		04/30/2021 23:43	WG1662061	5	<sup>7</sup> G

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000473	0.00101	1	04/30/2021 19:30	<u>WG1662185</u>
Toluene	U		0.00132	0.00506	1	04/30/2021 19:30	<u>WG1662185</u>
Ethylbenzene	U		0.000746	0.00253	1	04/30/2021 19:30	WG1662185
Total Xylenes	0.00137	<u>B J</u>	0.000891	0.00658	1	04/30/2021 19:30	<u>WG1662185</u>
(S) Toluene-d8	105			75.0-131		04/30/2021 19:30	WG1662185
(S) 4-Bromofluorobenzene	103			67.0-138		04/30/2021 19:30	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/30/2021 19:30	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.62	4.02	1	04/30/2021 21:54	<u>WG1662121</u>
C28-C40 Oil Range	1.30	<u>B J</u>	0.276	4.02	1	04/30/2021 21:54	<u>WG1662121</u>
(S) o-Terphenyl	34.0			18.0-148		04/30/2021 21:54	WG1662121

SDG: L1345616

Revel by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 07

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 11:00

						l'Cn
	Result	Qualifier	Dilution	Analysis	Batch	Cp
Analyte	%			date / time		2
Total Solids	94.9		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.70	21.1	1	05/03/2021 15:18	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
	Result (ury)	Quanner	WDE (ury)	KDE (ury)	Diution	Analysis	Baten	6	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			Q
TPH (GC/FID) Low Fraction	U		0.0229	0.105	1	04/30/2021 21:48	WG1662063	L	
(S) a,a,a-Trifluorotoluene(FID)	115			77.0-120		04/30/2021 21:48	WG1662063	7	GI

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000517	0.00111	1	04/30/2021 19:49	WG1662185
Toluene	U		0.00144	0.00554	1	04/30/2021 19:49	WG1662185
Ethylbenzene	U		0.000817	0.00277	1	04/30/2021 19:49	WG1662185
Total Xylenes	0.00194	<u>B J</u>	0.000975	0.00720	1	04/30/2021 19:49	WG1662185
(S) Toluene-d8	104			75.0-131		04/30/2021 19:49	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 19:49	WG1662185
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/30/2021 19:49	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	17.2		1.70	4.22	1	05/01/2021 01:30	WG1662121
C28-C40 Oil Range	63.8		0.289	4.22	1	05/01/2021 01:30	WG1662121
(S) o-Terphenyl	47.7			18.0-148		05/01/2021 01:30	WG1662121

SDG: L1345616

Revel by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 08

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 11:20

	-	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte		%			date / time		2
Total Solids		95.5		1	04/30/2021 09:03	WG1661866	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	28.1		9.64	21.0	1	05/03/2021 15:46	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
		Quaimer			Dilution	,	Daten	ε	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			C
TPH (GC/FID) Low Fraction	0.0270	J	0.0227	0.105	1	04/30/2021 22:10	WG1662063	L	_
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		04/30/2021 22:10	WG1662063	7	<sup>7</sup> 🤆

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000511	0.00110	1	04/30/2021 20:08	WG1662185
Toluene	U		0.00142	0.00548	1	04/30/2021 20:08	WG1662185
Ethylbenzene	U		0.000807	0.00274	1	04/30/2021 20:08	WG1662185
Total Xylenes	0.00128	<u>B J</u>	0.000964	0.00712	1	04/30/2021 20:08	WG1662185
(S) Toluene-d8	106			75.0-131		04/30/2021 20:08	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 20:08	WG1662185
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/30/2021 20:08	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.79	J	1.69	4.19	1	04/30/2021 23:28	<u>WG1662121</u>
C28-C40 Oil Range	9.05		0.287	4.19	1	04/30/2021 23:28	<u>WG1662121</u>
(S) o-Terphenyl	41.8			18.0-148		04/30/2021 23:28	WG1662121

SDG: L1345616

Revel ived by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 09

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 11:40

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.6		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.33	20.3	1	05/03/2021 15:56	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	U		0.0220	0.101	1	04/30/2021 22:33	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		04/30/2021 22:33	WG1662063	

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000480	0.00103	1	04/30/2021 20:27	WG1662185
Toluene	U		0.00134	0.00514	1	04/30/2021 20:27	WG1662185
Ethylbenzene	U		0.000758	0.00257	1	04/30/2021 20:27	WG1662185
Total Xylenes	0.00127	<u>B J</u>	0.000905	0.00669	1	04/30/2021 20:27	WG1662185
(S) Toluene-d8	106			75.0-131		04/30/2021 20:27	WG1662185
(S) 4-Bromofluorobenzene	107			67.0-138		04/30/2021 20:27	WG1662185
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/30/2021 20:27	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.64	J	1.63	4.06	1	04/30/2021 23:42	<u>WG1662121</u>
C28-C40 Oil Range	8.61		0.278	4.06	1	04/30/2021 23:42	<u>WG1662121</u>
(S) o-Terphenyl	46.0			18.0-148		04/30/2021 23:42	WG1662121

SDG: L1345616

Revelived by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 10

Page 47 of 105

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 12:00

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	99.0		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.29	20.2	1	05/03/2021 16:05	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		Ŭ
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	04/30/2021 22:55	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	115			77.0-120		04/30/2021 22:55	WG1662063	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000476	0.00102	1	04/30/2021 20:47	<u>WG1662185</u>
Toluene	U		0.00133	0.00510	1	04/30/2021 20:47	<u>WG1662185</u>
Ethylbenzene	U		0.000751	0.00255	1	04/30/2021 20:47	WG1662185
Total Xylenes	0.00136	<u>B J</u>	0.000897	0.00663	1	04/30/2021 20:47	WG1662185
(S) Toluene-d8	105			75.0-131		04/30/2021 20:47	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 20:47	WG1662185
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/30/2021 20:47	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.63	4.04	1	04/30/2021 22:35	<u>WG1662121</u>
C28-C40 Oil Range	2.90	<u>B J</u>	0.277	4.04	1	04/30/2021 22:35	WG1662121
(S) o-Terphenyl	37.1			18.0-148		04/30/2021 22:35	<u>WG1662121</u>

SDG: L1345616

Reveloped by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 12:20

# SAMPLE RESULTS - 11

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

						l'Cn
	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.2		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.37	20.4	1	05/03/2021 16:15	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		c
TPH (GC/FID) Low Fraction	U		0.0221	0.102	1	04/30/2021 23:38	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		04/30/2021 23:38	WG1662063	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000484	0.00104	1	04/30/2021 21:06	WG1662185
Toluene	U		0.00135	0.00518	1	04/30/2021 21:06	WG1662185
Ethylbenzene	U		0.000764	0.00259	1	04/30/2021 21:06	WG1662185
Total Xylenes	0.00109	<u>B J</u>	0.000912	0.00674	1	04/30/2021 21:06	WG1662185
(S) Toluene-d8	105			75.0-131		04/30/2021 21:06	WG1662185
(S) 4-Bromofluorobenzene	160	<u>J1</u>		67.0-138		04/30/2021 21:06	WG1662185
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/30/2021 21:06	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.64	4.07	1	04/30/2021 22:08	<u>WG1662121</u>
C28-C40 Oil Range	0.443	<u>B J</u>	0.279	4.07	1	04/30/2021 22:08	<u>WG1662121</u>
(S) o-Terphenyl	35.7			18.0-148		04/30/2021 22:08	<u>WG1662121</u>

Reseized by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 12:40

# SAMPLE RESULTS - 12

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	99.2		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.28	20.2	1	05/03/2021 16:53	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	Result (dry)	Quanner	WDE (ury)	KDE (dry)	Dilution	,	Baten	6
Analyte	mg/kg		mg/kg	mg/kg		date / time		Q
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	05/01/2021 00:00	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	115			77.0-120		05/01/2021 00:00	WG1662063	<sup>7</sup> Gl

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000475	0.00102	1	04/30/2021 21:25	<u>WG1662185</u>
Toluene	U		0.00132	0.00508	1	04/30/2021 21:25	<u>WG1662185</u>
Ethylbenzene	U		0.000749	0.00254	1	04/30/2021 21:25	WG1662185
Total Xylenes	U		0.000894	0.00661	1	04/30/2021 21:25	<u>WG1662185</u>
(S) Toluene-d8	106			75.0-131		04/30/2021 21:25	WG1662185
(S) 4-Bromofluorobenzene	102			67.0-138		04/30/2021 21:25	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/30/2021 21:25	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.62	4.03	1	04/30/2021 22:48	<u>WG1662121</u>
C28-C40 Oil Range	1.21	<u>B J</u>	0.276	4.03	1	04/30/2021 22:48	<u>WG1662121</u>
(S) o-Terphenyl	33.6			18.0-148		04/30/2021 22:48	<u>WG1662121</u>

SDG: L1345616

Reseived by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 13:00

# SAMPLE RESULTS - 13

Page 50 of 105

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	99.0		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.30	20.2	1	05/03/2021 17:03	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
	Result (ury)	Quanner	WDE (ury)	KDE (dry)	Dilution	,	Baten	6	5
Analyte	mg/kg		mg/kg	mg/kg		date / time			Q
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	05/01/2021 00:22	WG1662063		
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		05/01/2021 00:22	<u>WG1662063</u>	7	GI

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000477	0.00102	1	04/30/2021 21:44	<u>WG1662185</u>
Toluene	U		0.00133	0.00511	1	04/30/2021 21:44	<u>WG1662185</u>
Ethylbenzene	U		0.000753	0.00255	1	04/30/2021 21:44	WG1662185
Total Xylenes	0.00126	<u>B J</u>	0.000899	0.00664	1	04/30/2021 21:44	<u>WG1662185</u>
(S) Toluene-d8	106			75.0-131		04/30/2021 21:44	WG1662185
(S) 4-Bromofluorobenzene	103			67.0-138		04/30/2021 21:44	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/30/2021 21:44	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.63	4.04	1	04/30/2021 22:21	<u>WG1662121</u>
C28-C40 Oil Range	0.433	<u>B J</u>	0.277	4.04	1	04/30/2021 22:21	<u>WG1662121</u>
(S) o-Terphenyl	24.2			18.0-148		04/30/2021 22:21	WG1662121

SDG: L1345616

Reseiged by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 13:10

# SAMPLE RESULTS - 14

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.3		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.35	20.3	1	05/03/2021 17:12	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	Result (dry)	Quanner	WDE (ury)	KDE (dry)	Dilution	,	Bateri	6
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	U		0.0221	0.102	1	05/01/2021 00:44	WG1662063	L
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		05/01/2021 00:44	<u>WG1662063</u>	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000483	0.00103	1	04/30/2021 22:03	<u>WG1662185</u>
Toluene	U		0.00134	0.00517	1	04/30/2021 22:03	<u>WG1662185</u>
Ethylbenzene	U		0.000762	0.00258	1	04/30/2021 22:03	WG1662185
Total Xylenes	0.000982	<u>B J</u>	0.000910	0.00672	1	04/30/2021 22:03	<u>WG1662185</u>
(S) Toluene-d8	71.5	<u>J2</u>		75.0-131		04/30/2021 22:03	WG1662185
(S) 4-Bromofluorobenzene	85.3			67.0-138		04/30/2021 22:03	WG1662185
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/30/2021 22:03	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.64	4.07	1	04/30/2021 23:01	WG1662121
C28-C40 Oil Range	0.418	<u>B J</u>	0.279	4.07	1	04/30/2021 23:01	<u>WG1662121</u>
(S) o-Terphenyl	27.3			18.0-148		04/30/2021 23:01	<u>WG1662121</u>

SDG: L1345616

# SAMPLE RESULTS - 15

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	99.0		1	04/30/2021 11:47	WG1661867	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.7	J	9.29	20.2	1	05/03/2021 17:41	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	U		0.0219	0.101	1	05/01/2021 01:06	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		05/01/2021 01:06	WG1662063	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000476	0.00102	1	04/30/2021 22:22	<u>WG1662185</u>
Toluene	U		0.00133	0.00510	1	04/30/2021 22:22	<u>WG1662185</u>
Ethylbenzene	U		0.000752	0.00255	1	04/30/2021 22:22	WG1662185
Total Xylenes	0.000944	<u>B J</u>	0.000898	0.00663	1	04/30/2021 22:22	<u>WG1662185</u>
(S) Toluene-d8	105			75.0-131		04/30/2021 22:22	WG1662185
(S) 4-Bromofluorobenzene	101			67.0-138		04/30/2021 22:22	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/30/2021 22:22	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.63	4.04	1	05/01/2021 01:53	<u>WG1662136</u>
C28-C40 Oil Range	5.53		0.277	4.04	1	05/01/2021 01:53	<u>WG1662136</u>
(S) o-Terphenyl	62.2			18.0-148		05/01/2021 01:53	<u>WG1662136</u>

SDG: L1345616

#### Reseived by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 13:30

# SAMPLE RESULTS - 16

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Decult	Qualifier	Dilution	Analysis	Patch	Cp	1
Ameliate	Result	Qualifier	Dilution	Analysis	Batch		-
Analyte	70			date / time		$^{2}$	
Total Solids	98.1		1	04/30/2021 11:47	WG1661867	IC	

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	138		9.38	20.4	1	05/03/2021 17:50	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
		duamer			Dilation	,	Baten	6	3 <u> </u>
Analyte	mg/kg		mg/kg	mg/kg		date / time			QC
TPH (GC/FID) Low Fraction	U		0.0221	0.102	1	05/01/2021 01:28	WG1662063	L	
(S) a,a,a-Trifluorotoluene(FID)	115			77.0-120		05/01/2021 01:28	WG1662063	7	GI

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000485	0.00104	1	04/30/2021 22:41	WG1662185
Toluene	U		0.00135	0.00519	1	04/30/2021 22:41	WG1662185
Ethylbenzene	U		0.000766	0.00260	1	04/30/2021 22:41	WG1662185
Total Xylenes	U		0.000914	0.00675	1	04/30/2021 22:41	<u>WG1662185</u>
(S) Toluene-d8	106			75.0-131		04/30/2021 22:41	WG1662185
(S) 4-Bromofluorobenzene	103			67.0-138		04/30/2021 22:41	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/30/2021 22:41	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.64	4.08	1	05/01/2021 02:06	<u>WG1662136</u>
C28-C40 Oil Range	0.646	J	0.279	4.08	1	05/01/2021 02:06	<u>WG1662136</u>
(S) o-Terphenyl	61.7			18.0-148		05/01/2021 02:06	WG1662136

SDG: L1345616

# Received by OCD: 6/30/2021 11:10:57 PM

# SAMPLE RESULTS - 17

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

Collected date/time: 04/28/21 13:40

	Result	Qualifier	Dilution	Analysis	Datch	C	Э
Analyte	o/	Qualifier	Dilution	date / time	Batch		
,	0 <u>0</u>		1	04/30/2021 11:47	WG1661867	<sup>2</sup> T	_
Total Solids	96.9		I	04/30/2021 11:47	WG1001807	1 ''	C

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.50	20.6	1	05/03/2021 18:00	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	U		0.0224	0.103	1	05/01/2021 01:50	WG1662063	
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		05/01/2021 01:50	<u>WG1662063</u>	

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000497	0.00106	1	04/30/2021 23:00	WG1662185
Toluene	U		0.00138	0.00532	1	04/30/2021 23:00	WG1662185
Ethylbenzene	U		0.000785	0.00266	1	04/30/2021 23:00	WG1662185
Total Xylenes	U		0.000937	0.00692	1	04/30/2021 23:00	WG1662185
(S) Toluene-d8	107			75.0-131		04/30/2021 23:00	WG1662185
(S) 4-Bromofluorobenzene	105			67.0-138		04/30/2021 23:00	WG1662185
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/30/2021 23:00	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.66	4.13	1	05/01/2021 02:20	<u>WG1662136</u>
C28-C40 Oil Range	6.26		0.283	4.13	1	05/01/2021 02:20	<u>WG1662136</u>
(S) o-Terphenyl	55.2			18.0-148		05/01/2021 02:20	WG1662136

SDG: L1345616

#### Reseived by OCD: 6/30/2021 11:10:57 PM Collected date/time: 04/28/21 13:50

# SAMPLE RESULTS - 18

Ss

Cn

Â

Sc

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.4		1	04/30/2021 11:47	<u>WG1661867</u>	Tc

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	214		9.35	20.3	1	05/03/2021 18:09	WG1663340

#### Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
		Guanner			Dilation	,	Baten	(	6
Analyte	mg/kg		mg/kg	mg/kg		date / time			QC
TPH (GC/FID) Low Fraction	U		0.0220	0.102	1	05/01/2021 02:12	WG1662063	L	
(S) a,a,a-Trifluorotoluene(FID)	115			77.0-120		05/01/2021 02:12	WG1662063	1	<sup>7</sup> Gl

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000482	0.00103	1	04/30/2021 23:20	WG1662185
Toluene	U		0.00134	0.00516	1	04/30/2021 23:20	WG1662185
Ethylbenzene	U		0.000761	0.00258	1	04/30/2021 23:20	WG1662185
Total Xylenes	U		0.000908	0.00671	1	04/30/2021 23:20	<u>WG1662185</u>
(S) Toluene-d8	107			75.0-131		04/30/2021 23:20	WG1662185
(S) 4-Bromofluorobenzene	104			67.0-138		04/30/2021 23:20	<u>WG1662185</u>
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/30/2021 23:20	WG1662185

#### Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.64	4.06	1	05/01/2021 02:33	<u>WG1662136</u>
C28-C40 Oil Range	U		0.278	4.06	1	05/01/2021 02:33	<u>WG1662136</u>
(S) o-Terphenyl	46.6			18.0-148		05/01/2021 02:33	<u>WG1662136</u>

SDG: L1345616

### Reg @ 96 08 B: 6/30/2021 11:10:57 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1345616-01,02,03,04,05,06,07,08

Page 56 of 105

GI

Â

Sc

#### Method Blank (MB)

(MB) R3648985-1 04	4/30/21 09:03				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	2
Total Solids	0.000				
					3

#### L1345616-03 Original Sample (OS) • Duplicate (DUP)

L1345616-03 Orig	· ·	· · ·	· · ·	· · · ·					4
(OS) L1345616-03 04/30	0/21 09:03 • (DUI	P) R3648985-3	3 04/30/2	1 09:03					
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits			<sup>5</sup> c
Analyte	%	%		%		%			
Total Solids	96.0	96.6	1	0.690		10			6

### Laboratory Control Sample (LCS)

(LCS) R3648985-2 04	/30/21 09:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1345616

DATE/TIME: 05/03/21 22:18

PAGE: 26 of 39

### Reg @ q & B @ B. p/30/2021 11:10:57 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1345616-09,10,11,12,13,14,15,16,17,18

Page 57 of 105

*Q*c

GI

Â

Sc

#### Method Blank (MB)

Method Blank	< (MB)				T T	$\begin{bmatrix} 1 \\ C \end{bmatrix}$
(MB) R3649001-1 0	J4/30/21 11:47					Ср
	MB Result	MB Qualifier	MB MDL	MB RDL		2
Analyte	%		%	%		Тс
Total Solids	0.00300					
					3	<sup>3</sup> Ss

#### L1345616-14 Original Sample (OS) • Duplicate (DUP)

L1345616-14 Ori	ginal Sample	e (OS) • Dup	blicate (L	JUP)		
(OS) L1345616-14 04/	30/21 11:47 • (DUP	) R3649001-3	04/30/21 11	:47		
	Original Res	ult DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	98.3	98.4	1	0.0535		10

### Laboratory Control Sample (LCS)

(LCS) R3649001-2 04	/30/21 11:47				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1345616

DATE/TIME: 05/03/21 22:18

PAGE: 27 of 39

### Reg @ 961 961 6/30/2021 11:10:57 PM

Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1345616-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18

Method Blank (MB)

(MB) R3649801-1 (	)5/03/21 13:05					
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/kg		mg/kg	mg/kg		
Chloride	U		9.20	20.0		

#### L1345616-01 Original Sample (OS) • Duplicate (DUP)

	CS) L1345616-01 Original Sample (OS) • Duplicate (DUP) OS) L1345616-01 05/03/21 14:12 • (DUP) R3649801-3 05/03/21 14:21								
Analyte	Original Result (dry) ma/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %			
Chloride	103	95.8	1	7.00		20			

#### L1345616-11 Original Sample (OS) • Duplicate (DUP)

L1345616-11 Or	iginal Sample ((	DS) • Dupl	licate (D	UP)							
(OS) L1345616-11 05/03/21 16:15 • (DUP) R3649801-4 05/03/21 16:24											
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/kg	mg/kg		%		%					
Chloride	U	U	1	0.000		20					

#### Laboratory Control Sample (LCS)

(LCS) R3649801-2 05/03	_CS) R3649801-2 05/03/21 13:15											
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier							
Analyte	mg/kg	mg/kg	%	%								
Chloride	200	200	100	90.0-110								

#### L1345616-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345616-11 05/03/2	(OS) L1345616-11 05/03/21 16:15 • (MS) R3649801-5 05/03/21 16:34 • (MSD) R3649801-6 05/03/21 16:43												
Spike Amount Original Result MS Result (dry) MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits (dry) (dry)													
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Chloride	509	U	488	492	95.9	96.6	1	80.0-120			0.725	20	

Released to	Imaging <sup>AC</sup> I/26/2022 9:08:29 AM
	ConocoPhillips - Tetra Tech

PROJECT: 212C-MD-02480

SDG: L1345616

DATE/TIME: 05/03/21 22:18

PAGE: 28 of 39

Page 58 of 105

### Reg @ 9618 2606 6/30/2021 11:10:57 PM

Volatile Organic Compounds (GC) by Method 8015D/GRO

# QUALITY CONTROL SUMMARY

#### Method Blank (MB)

					_ (
(MB) R3649183-2 04/30/	21 21:10				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/kg		mg/kg	mg/kg	¯Τ(
TPH (GC/FID) Low Fraction	U		0.0217	0.100	
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120	<sup>3</sup> Ss

# Laboratory Control Sample (LCS)

(LCS) R3649183-1 04/30	CS) R3649183-1 04/30/21 20:26											
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier							
Analyte	mg/kg	mg/kg	%	%								
TPH (GC/FID) Low Fraction	5.50	5.82	106	72.0-127								
(S) a.a.a-Trifluorotoluene(FID)			113	77.0-120								

### L1343757-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343757-02 05/01/2	(OS) L1343757-02 05/01/21 04:07 • (MS) R3649183-3 05/01/21 05:12 • (MSD) R3649183-4 05/01/21 05:34												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
TPH (GC/FID) Low Fraction	309	U	235	244	76.1	79.0	25	10.0-151			3.74	28	
(S) a,a,a-Trifluorotoluene(FID)					107	107		77.0-120					

<sup>7</sup>Gl <sup>8</sup>Al <sup>9</sup>Sc

ີQc

SDG: L1345616 DATE/TIME: 05/03/21 22:18

PAGE: 29 of 39

### 

Volatile Organic Compounds (GC) by Method 8015D/GRO

#### QUALITY CONTROL SUMMARY L1345616-07,08,09,10,11,12,13,14,15,16,17,18

Page 60 of 105

⁺Cn

Sr

ີQc

GI

AI

Sc

#### Method Blank (MB)

	7				
(MB) R3649217-3 04/30/	21 20:42				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
TPH (GC/FID) Low Fraction	U		0.0217	0.100	
(S) a,a,a-Trifluorotoluene(FID)	117			77.0-120	

### Laboratory Control Sample (LCS)

(LCS) R3649217-1 04/30/2119:36											
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier						
Analyte	mg/kg	mg/kg	%	%							
TPH (GC/FID) Low Fraction	5.50	5.40	98.2	72.0-127							
(S) a.a.a-Trifluorotoluene(FID)			105	77.0-120							

#### L1343663-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343663-12 05/01/2	OS) L1343663-12 05/01/21 04:25 • (MS) R3649217-6 05/01/21 06:15 • (MSD) R3649217-7 05/01/21 06:37												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
TPH (GC/FID) Low Fraction	509	689	902	929	41.9	47.2	200	10.0-151			2.94	28	
(S) a,a,a-Trifluorotoluene(FID)					113	114		77.0-120					

SDG: L1345616 DATE/TIME: 05/03/21 22:18

PAGE: 30 of 39

### Reg @ 46 260:3/30/2021 11:10:57 PM

Volatile Organic Compounds (GC) by Method 8015D/GRO

# QUALITY CONTROL SUMMARY

Page 61 of 105

#### Method Blank (MB)

	/				
(MB) R3649418-2 05/02/	21 23:57				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/kg		mg/kg	mg/kg	Tc
TPH (GC/FID) Low Fraction	U		0.0217	0.100	
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120	<sup>3</sup> Ss

### Laboratory Control Sample (LCS)

(LCS) R3649418-1 05/02/	21 23:13				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TPH (GC/FID) Low Fraction	5.50	4.51	82.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			109	77.0-120	

	<sup>3</sup> Ss
1	4
	⁴Cn
1	<b>F</b>
	ືSr
1	
	<sup>6</sup> Qc
1	7
	<sup>′</sup> Gl
1	8
	ÅI
1	<sup>9</sup> Sc

DATE/TIME: 05/03/21 22:18

PAGE: 31 of 39

Volatile Organic Compounds (GC/MS) by Method 8260B

#### QUALITY CONTROL SUMMARY L1345616-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18

(MB) R3649209-3 04/30/	/IB) R3649209-3 04/30/2117:35									
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/kg		mg/kg	mg/kg						
Benzene	U		0.000467	0.00100						
Ethylbenzene	U		0.000737	0.00250						
Toluene	U		0.00130	0.00500						
Xylenes, Total	0.00235	J	0.000880	0.00650						
(S) Toluene-d8	104			75.0-131						
(S) 4-Bromofluorobenzene	104			67.0-138						
(S) 1,2-Dichloroethane-d4	103			70.0-130						

#### Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649209-1 04/30	/21 16:19 • (LCSI	D) R3649209-	2 04/30/2116:3	38							Ē
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	ľ
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	L
Benzene	0.125	0.118	0.120	94.4	96.0	70.0-123			1.68	20	8
Ethylbenzene	0.125	0.133	0.129	106	103	74.0-126			3.05	20	
Toluene	0.125	0.124	0.125	99.2	100	75.0-121			0.803	20	[
Xylenes, Total	0.375	0.385	0.384	103	102	72.0-127			0.260	20	Ĭ
(S) Toluene-d8				105	106	75.0-131					L
(S) 4-Bromofluorobenzene				103	102	67.0-138					
(S) 1,2-Dichloroethane-d4				109	110	70.0-130					

# L1344584-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

DS) L1344584-03 04/30/21 23:58 • (MS) R3649209-4 05/01/21 00:17 • (MSD) R3649209-5 05/01/21 00:36												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg				%	%		%			%	%
Benzene	2.18	U	1.23	1.52	38.1	46.8	20	10.0-149			20.5	37
(S) Toluene-d8					96.8	58.5		75.0-131		<u>J2</u>		
(S) 4-Bromofluorobenzene					157	94.8		67.0-138	<u>J1</u>			
(S) 1,2-Dichloroethane-d4					93.8	87.4		70.0-130				

#### Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

SDG: L1345616 DATE/TIME: 05/03/21 22:18

Page 62 of 105

Τс

Ss

Cn

Sr

Qc

Semi-Volatile Organic Compounds (GC) by Method 8015

#### QUALITY CONTROL SUMMARY L1345616-01,02,03,04,05,06,07,08,09,10,11,12,13,14

#### Method Blank (MB)

(MB) R3648975-1 04/30	0/21 20:33			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	0.719	J	0.274	4.00
(S) o-Terphenyl	35.3			18.0-148

#### Laboratory Control Sample (LCS)

(LCS) R3648975-2 04/3	30/21 20:47						
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			
C10-C28 Diesel Range	50.0	26.4	52.8	50.0-150			
(S) o-Terphenyl			45.9	18.0-148			

#### L1345616-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345616-02 04/30/21 21:00 • (MS) R3648975-3 04/30/21 21:14 • (MSD) R3648975-4 04/30/21 21:27												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	47.9	U	27.8	26.8	58.0	56.0	1	50.0-150			3.70	20
(S) o-Terphenyl					48.6	47.0		18.0-148				

DATE/TIME: 05/03/21 22:18 <sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl <sup>8</sup>Al

Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

# QUALITY CONTROL SUMMARY

#### Method Blank (MB)

(MB) R3649007-1 05/0	1/21 01:27				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
C10-C28 Diesel Range	U		1.61	4.00	
C28-C40 Oil Range	U		0.274	4.00	
(S) o-Terphenyl	64.4			18.0-148	

#### Laboratory Control Sample (LCS)

(LCS) R3649007-2 05/	01/21 01:40					
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	CS Qualifier	
Analyte	mg/kg	mg/kg	%	%		
C10-C28 Diesel Range	50.0	33.0	66.0	50.0-150		
(S) o-Terphenyl			43.7	18.0-148		

#### L1343663-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343663-09 05/01/	(OS) L1343663-09 05/01/21 05:09 • (MS) R3649007-3 05/01/21 05:22 • (MSD) R3649007-4 05/01/21 05:35												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C10-C28 Diesel Range	51.6	206	195	222	0.000	30.6	1	50.0-150	<u>J6</u>	<u>J6</u>	13.3	20	
(S) o-Terphenyl					19.3	15.1		18.0-148		<u>J2</u>			

DATE/TIME: 05/03/21 22:18

<sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl <sup>8</sup>Al

Sc

Τс

Ss

Cn

Sr

Qc

GI

AI

Sc

#### Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

#### Abbreviations and Definitions

Appreviations and	
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

SDG: L1345616

# Received by OCD: 6/30/2021 11:10:57 PACCREDITATIONS & LOCATIONS

Page	<u>66</u>	of	105	
------	-----------	----	-----	--

Τс

Ss

Cn

Sr

Qc

Gl

AI

Sc

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SDG: L1345616 DATE/TIME: 05/03/21 22:18

PAGE: 36 of 39

F	Tetra Tech, Inc.			ę		Midlar Tel (	nd, Te 432)	Street, exas 79 682-45 682-39	559	00						C	E	00	1					
Client Name:	Conoco Phillips	Site Manage	r:	Chris	tian I	Llull	8°		17 - 18 - 1	1		14								QUE				
Project Name:	Semu Eumont 84 Remediation	Contact Info	:			ristian. 12) 33			ch.con	<b>1</b>	1,	T	(	Cir I I	cle	or	Spe I	ecif	yN II	leth	100	d No	).)	11
Project Location: (county, state)	Lea County, New Mexico	Project #:			1.1.1.	-02480	1			ar i Sa														
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 797	01	к 		_				÷										/625 (see attached list)					
Receiving Laboratory:	Pace Analytical	Sampler Sig	nature:	Jo	oe Ty	/ler		2 2 2	-		1	- MRO		Se Hg	Se Hg		Lin							
Comments: COPTE	TRA Acctnum										8260B	0 - ORC		I Cr Pb		4.2		2/625		20				F
		SAMP	LING	МАТ	RIX		SER\ IETH			(N/A)	) BTEX 8	TX1005 (Ext to C35) 8015M ( GRO - DRO - ORO - MRO)		J As Ba Co	g As ba C	Volatiles	60B / 624	/ol. 8270C/625	808	9		Sulfate TDS ater Chemistry	alance	
LAB # ( LAB USE ) ONLY )	SAMPLE IDENTIFICATION	YEAR: 2021 DATE	TIME	WATER	CIL	HCL	CE	NONE	# CONTAINERS	FILTERED (	BTEX 8021B	TPH R015M (	PAH 8270C	otal Metals Ag As Ba Cd Cr Pb Se Hg	CLP Volatiles	P Semi	RCI GC/MS Vol. 8260B / 624	GC/MS Semi. Vol.	PCB's 8082 / 608	NORM PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS General Water Chemistry	Anion/Cation Balance	<b>TPH 8015R</b>
-01	SW-3 (4')	4/28/27	1000	X			X		1	N	X	X	L.			H		U		2 0	X	00	A	H
-02	SW-6 (6')		1010	×	<		x		1	N	x	X									x			25
-03	SW-11		1020	×	<		X		1	N	X	X								*	x			
-uy	SW-12		1030	×	4		x		1	N	X	X			-		-	P	F		X		+	
-0	SW-13		1040	×	<		X		1	N	X	X			+		+	+	$\top$	+	x	$\top$	++	
-dt	SW-14		1050	×	<	-	X		1	N	X	X			+	$\mathbf{T}$		$\square$	$\top$	1	x		++	
-07	SW-15		1100	×	$\langle  $	Ħ	X		1	N	X	X	Ħ		+	$\uparrow$		+	+	- 199	x	+	++	and the second s
-18	SW-16		1120	×			X		1	N	x	x					+	+	+	-	x			$\square$
24	SW-17	1.4	1140	X	(		X	$\square$	1	N	x	X	Н				- 07	$\square$	$\top$	+	x	+	+	
-10	SW-18	V	1200	×	,	- A	X	$\square$	1	N	X	×			1		-	+		+	X			
Relinquished by: Andrew Garcia	Date: Time: 4-28-21 15:00	Received by:	D	)	1-2	Date:	21		Time Sec			LAB	1.1.1.1.1		RI		RKS: Stand			_			1-1	
	Date: Time: D4-23-21 16-35	Received by:	-	4	2	Date:	21	1	Time		Sam	ple Te	mpei	rature		_				thorize	_	)48 hr.	72 h	<b>١</b> ٢.
Relinquished by;	Date: Time:	Received by:	h		4	Date:	21		Time							_						P Repo	ort	

Released to Imaging: 1/26/2022 9:08:29 AM

瘀

Received by OCD: 6/30/2021 11:10:57 PM Analysis Request of Chain of Custody Record

Page 68 of 105 Page : 2 of 2

TŁ	Tetra Tech, Inc.					Midla Tel	and, ' (432	l Street, Texas 7 2) 682-4 2) 682-3	9701 559	e 100					v							-						
Client Name:	Conoco Phillips	Site Manage	r:	Chris	stian l	Llull											ANALYSIS REQUEST											
Project Name:	Semu Eumont 84 Remediation	Contact Info	:		il: chr ne: (5			@tetrat 667	ech.c	om	100	1	ľ.	) 	Cir 	cle	or	Sp 	eci	fy 	Ме 	tho	l bo	No.)				
Project Location: (county, state)	Lea County, New Mexico	Project #:	Project #: 212C-MD-02480								100	Ť																
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas	\$ 79701																		1				ist)				
Receiving Laboratory:	Pace Analytical	Sampler Sig	nature:	J	loe Ty	yler				-1			ORO - MRO)		Se	Serig								(see attached list)				
Comments: COPTET	RA Acctnum											X 8260B	1		8 6		A	19	8 / 624 8270C/625			1	S					
		SAMP	LING	MA	TRIX	PR		RVATIV		2		) BLEX			As Ba C	AS Da	tiles		an 1				te TDS	hemistr	ance			
LAB #	SAMPLE IDENTIFICATION	YEAR: 2021				Π					$\geq$	<u>م</u>	~ ~ ~	g	Ils Ag	als Ag	ni Vola		ol. 826 mi. Vc	82 / 60		estos)	Sulfate	ater C	on Bal			
( LAB USE )	L1345616	DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	ICE	THOO #		FILTERED	TPH TX1005	TPH 8015M	PAH 8270C	Total Metals Ag As Ba Cd	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260	PCB's 8082/608	NORM	PLM (Asbestos)	Chloride	General Water Chemistry	Anion/Cation Balance TPH 8015R			
-h	SW-19	4/28/21	1220		х			x			_	X	X									)	ĸ					
-12	FS-2 (4')		1240		x			x		1	N	x	X									×	ĸ					
-13	FS-5 (4')		1300		x			x		1	Ν	X	X									×	<			A last		
-14	FS-6 (4')		1310		X			х		1	Ν	X	X			38						×			-			
-15	FS-7 (4')		1320		x			x		1	N	X	X									X	<					
74	FS-8 (4')		1330	$\square$	x			x		1	N	x	X									×		$\square$		$\square$		
77	FS-9 (4')		1340		X			X	Τ	1	N	x	X									×		$\square$	1	$\square$		
-18	FS-10 (4')	L	1350		x			х		1	N	x	X									×			T	$\square$		
Relinquished by:	Date: Time:	Received by	- /	4	81-	Dat	P.		Ti	me:						B	EMA	BKS										
Andrew Garcia	4-28-21 Bica		t		1/2			/	L.	-5		L		US ILY	E				idard									
Relinguished by:	Date: Time:	Received by:				Dat	e:			me:	5	Samp	ole Te	mper	ature		X	RUS	H: S	ame [	Day	24 hr.	18	hr.	72 hr.			
alan	- 4-28-21 Kit		1	4	1-2	S-	21		4	R	5							Rus	h Chai	rges A	uthor	rized						
Relinquished by:	Date: Time:	Received by	IA		2	Dat		nal		me: 294	0							Spe	cial Re	port L	.imits	or TR	IRP F	Report				
	25.3	ORIGINA	1 CODV	-		100			1		-	1.366			1.0.26						1	acking		_	-			

**Released to Imaging: 1/26/2022 9:08:29 AM** 

Pace Analytical National Center for	r Testing & Innov	vation	
Cooler Receipt F	orm		
Client: COPTETRA		0134	15616
Cooler Received/Opened On: 4 / 29 / 21	Temperature:	1,11	
Received By:// Delisha Kirkendoll		Alexandre a	
Signature:			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?	Respected to the second	-	
Bottles arrive intact?		1	
Correct bottles used?		-	
Sufficient volume sent?	建筑 法 化		
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			and a strong
	the second s		

Received by OCD: 6/30/2021 11:10:57 PM

Page 70 of 105

Analytical		ICAL REPORT ay 10, 2021	1
			2_
	ConocoPhillips - Te	tra Tech	3
	Sample Delivery Group:	L1348312	4
	Samples Received:	05/05/2021	5
	Project Number:	212C-MD-02480	
	Description:	Semu Eumont 84 Remediation	6
			7
	Report To:	Christian Llull	
		901 West Wall	8
		Suite 100	
		Midland, TX 79701	5

Entire Report Reviewed By: Chu, faph June

Chris McCord Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace National Statement of the laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

# Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Released to Imaging: 126/2022 9:08:29 AM ConocoPhillips - Tetra Tech

PROJECT: 212C-MD-02480

SDG: L1348312

DATE/TIME: 05/10/21 18:15 PAGE: 1 of 13

# TABLE OF CONTENTS

Ср

Ss

Cn

Sr

Qc

GI

Â

Sc

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
SW-3 (5') L1348312-01	5
Qc: Quality Control Summary	6
Total Solids by Method 2540 G-2011	6
Wet Chemistry by Method 300.0	7
Volatile Organic Compounds (GC) by Method 8015D/GRO	8
Volatile Organic Compounds (GC/MS) by Method 8260B	9
Semi-Volatile Organic Compounds (GC) by Method 8015	10
GI: Glossary of Terms	11
Al: Accreditations & Locations	12
Sc: Sample Chain of Custody	13

SDG: L1348312

DA1 05/10 PAGE: 2 of 13 Received by OCD: 6/30/2021 11:10:57 PM

# SAMPLE SUMMARY

Page 72 of 105

		Collected by	Collected date/time	Received dat	.e/time
		Joe Tyler	05/04/2110:00	05/05/21 08:	00
Batch	Dilution	Preparation	Analysis	Analyst	Location
		date/time	date/time		
WG1665384	1	05/06/21 09:04	05/06/21 09:12	KDW	Mt. Juliet, TN
WG1665381	1	05/06/21 17:14	05/07/21 03:08	GB	Mt. Juliet, TN
WG1665369	1	05/06/21 09:28	05/06/21 15:26	ACG	Mt. Juliet, TN
WG1665612	1	05/06/21 09:28	05/06/21 12:29	ADM	Mt. Juliet, TN
WG1665638	1	05/06/21 18:55	05/07/21 02:55	DMG	Mt. Juliet, TN
	WG1665384 WG1665381 WG1665369 WG1665612	WG1665384 1 WG1665381 1 WG1665369 1 WG1665612 1	Batch     Dilution     Preparation date/time       WG1665384     1     05/06/21 09:04       WG1665381     1     05/06/21 17:14       WG1665369     1     05/06/21 09:28       WG1665612     1     05/06/21 09:28	Batch     Dilution     Preparation date/time     Analysis date/time       WG1665384     1     05/06/21 09:04     05/06/21 09:12       WG1665381     1     05/06/21 17:14     05/07/21 03:08       WG1665369     1     05/06/21 09:28     05/06/21 15:26       WG1665612     1     05/06/21 09:28     05/06/21 12:29	Batch     Dilution     Preparation date/time     Analysis date/time     Analysis     Analyst       WG1665384     1     05/06/21 09:04     05/06/21 09:12     KDW       WG1665381     1     05/06/21 17:14     05/07/21 03:08     GB       WG1665369     1     05/06/21 09:28     05/06/21 15:26     ACG       WG1665612     1     05/06/21 09:28     05/06/21 12:29     ADM



Ср

Тс

Released to Imaging: 01/26/2022 9:08:29 AM ConocoPhillips - Tetra Tech PROJECT: 212C-MD-02480

SDG: L1348312 DATE/TIME: 05/10/21 18:15

TIME: 1 18:15 PAGE: 3 of 13
# CASE NARRATIVE

Chris McCord Project Manager

Page 73 of 105

DATE/TIME: 05/10/21 18:15 PAGE: 4 of 13

# Revelved by OCD: 6/30/2021 11:10:57 PM Collected date/time: 05/04/21 10:00

### SAMPLE RESULTS - 01 L1348312

# Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte		%			date / time		2
Total Solids		95.8		1	05/06/2021 09:12	<u>WG1665384</u>	Tc

## Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Chloride	16.1	J	9.61	20.9	1	05/07/2021 03:08	WG1665381

# Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result (dry)	Qualifior	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	Result (ury)	Qualifier	MDL (ury)	KDL (ury)	Dilution	,	Batch	6
Analyte	mg/kg		mg/kg	mg/kg		date / time		
TPH (GC/FID) Low Fraction	0.0654	J	0.0227	0.104	1	05/06/2021 15:26	WG1665369	
(S) a,a,a-Trifluorotoluene(FID)	87.9			77.0-120		05/06/2021 15:26	WG1665369	7

# Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000508	0.00109	1	05/06/2021 12:29	<u>WG1665612</u>
Toluene	0.00552	B	0.00142	0.00544	1	05/06/202112:29	<u>WG1665612</u>
Ethylbenzene	0.000925	J	0.000802	0.00272	1	05/06/202112:29	WG1665612
Total Xylenes	0.00377	J	0.000958	0.00708	1	05/06/202112:29	<u>WG1665612</u>
(S) Toluene-d8	106			75.0-131		05/06/2021 12:29	WG1665612
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/06/2021 12:29	<u>WG1665612</u>
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		05/06/2021 12:29	WG1665612

# Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.55		1.68	4.18	1	05/07/2021 02:55	WG1665638
C28-C40 Oil Range	29.3		0.286	4.18	1	05/07/2021 02:55	WG1665638
(S) o-Terphenyl	49.4			18.0-148		05/07/2021 02:55	WG1665638

SDG: L1348312

DATE/TIME: 05/10/21 18:15 Ss Cn

Â

Sc

# Reg & GB 6/30/2021 11:10:57 PM

Total Solids by Method 2540 G-2011

## QUALITY CONTROL SUMMARY L1348312-01

Page 75 of 105

GI

Â

Sc

# Method Blank (MB)

## L1348282-04 Original Sample (OS) • Duplicate (DUP)

L1348282-04 Orig									 - <sup>4</sup> C
Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits			<sup>5</sup> S
Total Solids	86.0	86.7	1	0.807		10			6

# Laboratory Control Sample (LCS)

(LCS) R3651421-2 05/	/06/21 09:12				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1348312

DATE/TIME: 05/10/21 18:15

PAGE: 6 of 13

# Reg @ 9618 8618 6/30/2021 11:10:57 PM

Wet Chemistry by Method 300.0

# QUALITY CONTROL SUMMARY

### Method Blank (MB)

(MB) R3651591-1 05/0	06/21 21:53			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

# L1347411-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1347411-02 05/06/2	21 22:47 • (DUP)	R3651591-3	05/06/212	22:57		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	U	1	0.000		20

# L1347411-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1347411-12 05/07/21 00:51 • (DUP) R3651591-4 05/07/21 01:01		
	/07/21 00:51 • (DUP) R3	S) L1347411-12 05/07/2
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD (dry) (dry)		
Analyte mg/kg mg/kg % %	mg/kg r	Analyte
Chloride U U 1 0.000 20	Ul	Chloride

## Laboratory Control Sample (LCS)

(LCS) R3651591-2 05/06/	/21 22:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	193	96.7	90.0-110	

# L1347411-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1347411-12 05/07/21 00:51 • (MS) R3651591-5 05/07/21 01:10 • (MSD) R3651591-6 05/07/21 01:20												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	510	U	468	462	91.7	90.6	1	80.0-120			1.21	20

Released to	Imaging <sup>AC</sup> F/26/2022 9:08:29 AM
	ConocoPhillips - Tetra Tech

PROJECT: 212C-MD-02480

DATE/TIME: 05/10/21 18:15

PAGE:

7 of 13

Page 76 of 105

<sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl

Тс

# Reg @ 9618 8616 9/30/2021 11:10:57 PM

Volatile Organic Compounds (GC) by Method 8015D/GRO

# QUALITY CONTROL SUMMARY

Page 77 of 105

⁺Cn

Sr

Qc

GI

Â

Sc

### Method Blank (MB)

	1							
(MB) R3651200-2 05/06/2112:00								
	MB Result	MB Qualifier	MB MDL	MB RDL				
Analyte	mg/kg		mg/kg	mg/kg				
TPH (GC/FID) Low Fraction	U		0.0217	0.100				
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120				

# Laboratory Control Sample (LCS)

(LCS) R3651200-1 05/06	LCS) R3651200-1 05/06/21 11:16						
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			
TPH (GC/FID) Low Fraction	5.50	5.49	99.8	72.0-127			
(S) a.a.a-Trifluorotoluene(FID)			107	77.0-120			

DATE/TIME: 05/10/21 18:15 PAGE: 8 of 13 Volatile Organic Compounds (GC/MS) by Method 8260B

# QUALITY CONTROL SUMMARY

Page 78 of 105

Ср

Τс

Ss

Cn

Sr

<sup>°</sup>Qc

## Method Blank (MB)

(MB) R3651234-3 05/06/	MB) R3651234-3 05/06/21 11:30						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/kg		mg/kg	mg/kg			
Benzene	U		0.000467	0.00100			
Ethylbenzene	U		0.000737	0.00250			
Toluene	0.00165	J	0.00130	0.00500			
Xylenes, Total	U		0.000880	0.00650			
(S) Toluene-d8	107			75.0-131			
(S) 4-Bromofluorobenzene	95.8			67.0-138			
(S) 1,2-Dichloroethane-d4	92.3			70.0-130			

# Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651234-1 05/06/2	21 10:14 • (LCSD	) R3651234-2	05/06/21 10:33	3							7
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	Í GI
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.125	0.113	0.111	90.4	88.8	70.0-123			1.79	20	8
Ethylbenzene	0.125	0.113	0.107	90.4	85.6	74.0-126			5.45	20	A
Toluene	0.125	0.114	0.106	91.2	84.8	75.0-121			7.27	20	9
Xylenes, Total	0.375	0.289	0.312	77.1	83.2	72.0-127			7.65	20	Sc
(S) Toluene-d8				104	104	75.0-131					
(S) 4-Bromofluorobenzene				99.1	97.9	67.0-138					
(S) 1,2-Dichloroethane-d4				97.1	98.3	70.0-130					

SDG: L1348312 DATE/TIME: 05/10/21 18:15 **PAGE**: 9 of 13 Semi-Volatile Organic Compounds (GC) by Method 8015

# QUALITY CONTROL SUMMARY L1348312-01

# Page 79 of 105

⁺Cn

Â

Sc

### Method Blank (MB)

Method Blank (ME	3)					1		
(MB) R3651420-1 05/07/21 01:48								
	MB Result	MB Qualifier	MB MDL	MB RDL		2		
Analyte	mg/kg		mg/kg	mg/kg		Тс		
C10-C28 Diesel Range	U		1.61	4.00				
C28-C40 Oil Range	0.944	Ţ	0.274	4.00		<sup>3</sup> Ss		
(S) o-Terphenyl	48.6			18.0-148				

## Laboratory Control Sample (LCS)

(LCS) R3651420-2 05/0	)7/21 02:02				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	27.7	55.4	50.0-150	
(S) o-Terphenyl			49.8	18.0-148	

DATE/TIME: 05/10/21 18:15

PAGE: 10 of 13

Τс

Ss

Cn

Sr

Qc

GI

AI

Sc

### Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

#### Abbreviations and Definitions

Abbreviations and	a Definitions
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
Qualifier	Description
В	The same analyte is found in the associated blank.

J

The identification of the analyte is acceptable; the reported value is an estimate.

SDG: L1348312

# Received by OCD: 6/30/2021 11:10:57 PACCREDITATIONS & LOCATIONS

0	Page	81	of	105
---	------	----	----	-----

Τс

Ss

Cn

Sr

Qc

Gl

AI

Sc

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
lorida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Centucky <sup>16</sup>	KY90010	South Carolina	84004002
entucky <sup>2</sup>	16	South Dakota	n/a
ouisiana	AI30792	Tennessee <sup>14</sup>	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
laryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
/lichigan	9958	Virginia	110033
linnesota	047-999-395	Washington	C847
lississippi	TN00003	West Virginia	233
lissouri	340	Wisconsin	998093910
lontana	CERT0086	Wyoming	A2LA
2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SDG: L1348312

Received by OCD: 6/30/2021 11:10:57 PM

# Page 82 of 105

Page :	1 of 1
raue.	U

	Tetra Tech, Inc.					Midlar Tel (	nd, 1 432	Street, Texas 79 ) 682-45 2) 682-3	9701 559	100													13	4	8:	312
Client Name:	Conoco Phillips	Site Manage	er:	Chris	tian L	lull								(0						REQ						710 7- 7-1
Project Name:	Semu Eumont 84 Remediation	Contact Info	):			istian. 12) 33		@tetrate 667	ech.co	om					irc		or S	pe		<b>ѓу М</b> 		100		9 		
Project Location: (county, state)	Lea County, New Mexico	Project #:		2120	-MD-	02480	0																			
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texa	as 79701	$b_{\mu} \in \mathcal{F}$		-								(0)		6								4 lict)	(ISH		
Receiving Laboratory:	Pace Analytical	Sampler Sig	nature:	J	oe Ty	ler		÷.					ORO - MRO)	o Se Ha	Pb Se Hg								see attached	ditaction		
Comments: COPTET	RA Acctnum				No. Prop.					4 12	8260B	1 1	DRO - OF	Cd Cr Pb Se Ha	Cd Cr P			4	8270C/625				100			
		SAME	PLING	МА	TRIX	Contraction of		RVATIV	E		- X		GRO - DI	As Ba	As Ba		Volatiles	8260B / 624	10.00	8			te TC	lance		
LAB #	SAMPLE IDENTIFICATION	YEAR: 2021										005	-	Ad	Ag	Volatiles	mi Vola			8082 / 608	bestos)	300.0	Sulfate	tion Balan	- 20	
( LAB USE )	n fallen er berjalt soller och statistisken som en en er Er for	DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	NONE	# CONTAINERS		×		801	Total Metals	TCLP Me	TCLP Vo	TCLP Semi RCI	GC/MS Vol.	GC/MS S	PCB's 80	PLM (Asbestos)	Chloride :	Chloride Sulfate TDS General Water Chemistry	Anion/Cation	TPH 8015R	
-01	SW-3 (5')	05/04/21	1000		X			x		1 N	I X		x	4			1.7 P.V 4 * - R/s				10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X				
									+						+		+						50 0			
2011 - 10 - 10 - 10 - 10 - 10 - 10 - 10	A ST MAN AND A ST AND													+												
	and the second secon												78		- P						-					
	n en	n al a construir a film and a construir a film a construir a construir a film a construir a film a construir a a construir a film a construir a film a construir a film a a construir a film a construir			+								2. 													-
			F		+											-				$\square$	+	$\square$				
					fall parties																					
Relinguished by:	Date: Time:	Received by	<i>r</i> :			Date	e:		Tir	me:						RE	MAR	KS:								
Andrew Garcia	5/4/202												B L			[	s	tanda	ard							
Relinquished by:	Date: Time:	Received by	<i>r</i> :			Date	ə:		Tir	ne:	Sa	mple <sup>-</sup>	Temp	berati	Jre	   				me Da			48 hr.	72	hr.	
Relinquished by:	nquished by: Date: Time:			Received by: Date: Time: Rall Rolan \$5/21 ()802				0						NT * ·			port Lin			P Repo	vrt					
CC Seal Present/Inta	Sample Receipt Checklist Seal Present/Intact: Y_N If Applicable Signed/Accurate: N VOA Zero Headspace: Y_N les arrive intact: N Pres.Correct/Check: Y_N cased to Imaging: 1/26/2022 9:08:29 AM					4.0	o. A	+.1	=4 3ß	.1	(C	ircle)	HAN	ND D	ELIVE	ERE	) FE	DEX	UF	PS 1	rackir	ng #:				

# APPENDIX D Photographic Documentation











•

# APPENDIX E Waste Manifests

Received by	BE	0/2021 11:1	Octationer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	CRI219 JOE TY 01 : 4/28/20	YLER 021 3B PAR <sup>1</sup>			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-12081 O6UJ9A00 4/28/2021 CONOCOI 06239 SEMU EUI <del>068</del> OSU NON-DRIL LEA (NM)	DOHHO PHILLIPS MONT	<i>Page 90 of 105</i>
Facility: CRI											
Product / Serv	lice					Qu	antity Ur	nits		1986	
Contaminated	Soil (RC	RA Exemp	ot)				16.00 y	ards			
	Cell	pН	CI Co	nd. %S	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						
Generator Cer	tification	Statemen	t of Waste S	tatus				and the second			
I hereby certify t 1988 regulatory X RCRA Exen RCRA Non- characteristics es amended. The fo MSDS Infor	determinat npt: Oil Fie Exempt: C stablished i ollowing d	ion, the abo eld wastes ge dil field wast in RCRA re- ocumentation	ve described w enerated from o te which is non gulations, 40 C on is attached to	aste is: oil and gas -hazardou: FR 261.21- o demonstr	explorat s that doe -261.24 of rate the al	ion and pr es not exce r listed ha bove-desc	oduction o eed the min zardous wa ribed waste	perations and imum standard iste as defined e is non-hazard	are not mixe ds for waste l in 40 CFR, p lous. (Check	d with nor hazardous part 261, s the appro	n-exempt wast by ubpart D, as priate items):
Driver/ Agent	Signature	Ð			R360 R	epresen	tative Sig	Inature			
Customer App	oroval		TH	IS IS I	ΝΟΤ	AN IN	IVOIC	E!			

Approved By:

Received by C RRG ENVIRONMENTA SOLUTION Permian Basin		0/2021 11:10	Customer: Customer a Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI2 /: JOE 02 e: 4/28/	TYLER 1/2021 NABB PART US			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-12081 06UJ9A00 4/28/2021 CONOCOF 20654 SEMU EUN 084 NON-DRIL LEA (NM)	DOHHO PHILLIPS MONT	Page 91 of 105
Facility: CRI											
Product / Servi	ice			State		Qu	uantity Ur	nits		1.035	
Contaminated	Soil (RC	RA Exempt	t)				16.00 y	/ards			
	Cell			ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00 (	0.00 0	.00	0						
0		- · · ·						The second second second			and the second as second as the second second

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 <u>X</u> RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information \_\_\_\_\_ RCRA Hazardous Waste Analysis \_\_\_\_\_ Process Knowledge \_\_\_\_\_ Other (Provide description above)

				_	
Customer Approval		V	/		
	THIS IS NOT AN INVOICE				

Approved By:

Received by RRC ENVIRONMEN SOLUTIO Permian Basi	BE		Custo Order AFE # PO #: Manif	mer #: C ed by: J t: est #: C . Date: 4 r: J t . J # N #	CONOCOPHI CRI2190 IOE TYLER I/28/2021 I/CNABB PAF IESUS I/31			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field : Field #: Rig: County	700-1208 06UJ9A0 4/28/2021 CONOCC 20654 SEMU EL 084 NON-DRI LEA (NM)	00HH0 0PHILLIPS JMONT LLING	Page 92 of 105
Facility: CRI											
Product / Ser	vice	和基本 开放。				Q	uantity Ur	lits			""我们是你
Contaminated	l Soil (R	CRA Exem	pt)				16.00 y	ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

<u>X</u> RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
 <u>RCRA Non-Exempt</u>: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_Process Knowledge \_\_\_\_Other (Provide description above)


# THIS IS NOT AN INVOICE!

Approved By:

<b>Received by OCD: 6/30/2021 11:1</b>		CONOCOPHILLIPS	Ticket #:	700-1208192 Page 93 of 105
DOGO	Customer #:	JOE TYLER	Bid #: Date:	O6UJ9A000HH0 4/28/2021
<b>H-560</b>	AFE #:		Generator:	CONOCOPHILLIPS
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	04	Well Ser. #:	20654
SOLUTIONS	Manif. Date:	4/28/2021	Well Name:	SEMU EUMONT
Permian Basin	Hauler:	MCNABB PARTNERS	Well #:	084
Fermian Dasin	Driver	CODY	Field:	
	Truck #	M02	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)
Facility: CRI				

Product / Serv	/ice					Q	uantity Uni	ts	Har Street		「生活」を行います
Contaminated	CRA Exe	mpt)				10.00 ya	rds				
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): \_\_\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_\_\_Other (Provide description above)

Driver/ Agent Signature

**R360 Representative Signature** 

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Received by OCD: 6/30/2021 11:1 RECEIVED BY OCD: 6/30/2021 11:1	Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver	CONOCOPHILL CRI2190 JOE TYLER 05 4/29/2021 MCNABB PART JESUS M31			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		HHO HILLIPS	nge 94 of 105
Facility: CRI								and the second second
Product / Service			Qı	uantity U	Inits			
Contaminated Soil (RCRA Exemp	ot)			16.00	yards			
Cell pH	CI Con	d. %Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						
	nt of Waste St	atus				ental Prot	action Ag	ency's July
I hereby certify that according to the R	esource Conserv	vation and Recove						
1988 regulatory determination, the abo $\underline{X}$ RCRA Exempt: Oil Field wastes g	1.6.	and and ave ave	tion and p	oroduction	operations an	d are not mixe	d with nor	n-exempt waste
characteristics established in RCRA re	gulations, 40 CF	R 261.21-261.24 C	bove-des	cribed wa	ste is non-haza	urdous. (Check	the appro	priate items):
amended. The following documentation MSDS Information RCRA I	Hazardous Waste	e Analysis _ Pr	ocess Kn	owledge	_ Other (Pro	ovide descripti	ion above)	
					ignature	VII	TAN METR	
Driver/ Agent Signature		K300 F	veprese	Intative S	Ignature			
Customer Approval			the second		Contraction of the second			
	TH	IS IS NOT	AN I	NVOI	CE!			

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Received by RECEINT ENVIRONMENT SOLUTION Permian Basin	BE		Octastomer Customer Ordered b AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card # Job Ref #	#: CF y: JC :: 06 :: 4/2 Mi C(	DE TYLER			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1208317 O6UJ9A000H 4/29/2021 CONOCOPH 20654 SEMU EUMO 084 NON-DRILLI LEA (NM)	HHO HILLIPS ONT	Page 95 of 105
Facility: CRI											
Product / Serv	vice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	pt)				10.00	yards			
	Cell	рН	CI C	ond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste \_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_RCRA Hazardous Waste Analysis \_\_\_ Process Knowledge \_\_\_ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature	M
Customer Approval		
	THIS IS NOT AN INVOICE!	

Approved By:

Received by OCD: 6/30/2021 11:1	0:57 RMV MEXICO NON-HAZARDOUS (PLEASE P		/ANIFEST Compan Name	y Man C. B. 489 196 196 195
ENVIRONMENTAL SOLUTIONS	(FLEASE F	TITALI ALL	Phone No.	Trend O Curant
Operator No. Operators Name Address	phillips	ATOR Permit/RRC No. Lease/Well Name & No. County API No.	NO. 50 SEMY E	6625 Ument 8
City, State, Zip	and many and a second se	Rig Name & No. AFE/PO No.	WIA	State - County - Data -
	aste/Service Identification and Amount (pla		sta tuna in barrole or subic uards)	A CONTRACTOR
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS:	NON-INJECTABLE WATERS         Washout Water (Non-Injectable)         Completion Fluid/Flow back (Non-Injectable)         Produced Water (Non-Injectable)         Gathering Line Water/Waste (Non-Injectable)         INTERNAL USE ONLY         Truck Washout (exempt waste)         DRILLING       COMPLET	n gra <u>an a la mi</u> ve r n gra <u>an a la mi</u> ve r nall) r <u>acentament l</u> ari time add the abit me	INJECTABLE WATERS Washout Water (Injectable) Completion Fluid/Flow back (Injectable) Produced Water (Injectable) Gathering Line Water/Waste (Injectable) OTHER EXEMPT WASTES (type and generation	n process of the waste)
	NON-EXEMPT E&P Waste/Service			COMP THE PROPERTY OF THE PROPERTY OF
All non-exempt E&P Non-Exempt Other	waste must be analysed and be below the thresho		P), Ignitability, Corrosivity and Reactivity. m Non-Exempt Waste List on back	
		pieuse select ji ol	In Non-Exempt Waste List on back	
QUANTITY	B - BARRELS	L - LIQUID	() (Y - YARDS	E - EACH
RCRA EXEMPT:       load basis only)         RCRA NON-EXEMPT:       Oil field waste v         261.21-261.24,       hazardous is att         MSDS Information	generated from oil and gas exploration and produce which is non-hazardous that does not exceed the m or listed hazardous waste as defined by 40 CFR, pa ached. (Check the appropriate items as provided) ion CRCRA Hazardous Waste Analy -hazradous, non-oilfeild waste that has been order	ninimum standards for wa rt 261, subpart D, as ame ysis	aste hazardous by characteristics establishe ended. The following documentation demor Other (Provide Description Below)	d in RCRA regulations, 40 CFR nstrating the waste as non-
	and a desciption of the waste must accompany this		2 Ki	nih publici panal ka
(PRINT) AUTHORIZED AGENTS NAME		DATE	SIGNATURE	and the second second second second
and all the second find the second the man	TRANSPO	ORTER		CIR Harris David Series
Phone No.	bb Partners	Driver's Name Print Name Phone No. Truck No.	maz	Arthel Andred Mund Artheles Andred Content Artheles Andred Content Artheles Andred Artheles Artheles Artheles Artheles Artheles Artheles
I hereby certify that the above named material(s) w	as/were picked up at the Generator's site listed ab	ove and delivered withou	it incident to the disposal facility listed belo	
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVE		R'S SIGNATURE
TRUCK TIME STAM	P DISPOSAL	FACILITY	RECEIVING Name/No.	AREA
Site Name/ Permit No. Halfway Facility / NM1-006	and with the	Phone No.	575-393-1079	I. "Dankon n.s. annetto≓sto Direction sector
Address 6601 Hobbs Hwy US 62/180 Mile			this Product with the second	YES OF SW TOWNSWIND
NORM READINGS TAKEN? (Circle Or PASS THE PAINT FILTER TEST? (Circle Or	ne) YES	NO	ng > 50 micro roentgens? (circle one)	numerine bestand polar to a
Feet  Ist Gauge  2nd Gauge  Received	Inches	n marina ny marina no marina marina no marina kaonina dia marina na marina dia marina	&W/BBLS Received E Free Water Total Received	
I hereby certify that the above load material has	been (circle one): ACCEPTED DENII	ED If denied, why:	?	mont la martine W

Released to Imaging: 1/26/2022 9:08:29 AM TRANSPORTER COPY Pink - GENERATOR SITE COPY Gold - RETURN TO GENERATOR Version 1

Received by OCD: 6/30/2021 11:1	0:57 RM MEXICO NON-HAZARDOUS O (PLEASE PRI		MANIFEST Company Name	Man CRage 97 of 195
BUUTIONS C		in herest m	Phone No.	THEF
Operator No.	GENERAT	Permit/RRC No.	NO. 50	6625
- I I Dall	nh. II. Kan she was	Lease/Well	SEIMALL E	11mints
Operators Name	PITIT	Name & No.	-DEMUC	Carlet A
Address		County	A PROVIDE THE REAL PROPERTY AND A PROVIDE A PROVIDA PROVIDE A PROVIDE A PROVIDE A PROVIDE A PROVIDE A PROVIDE A PROV	the Permitten of
and the state of the	and a state of the second s	API No.	and to many or the part of the second s	the the state of the
City, State, Zip	the second second states of the second s	Rig Name & No.	we are and the of the two and	County - Steer
Phone No.	entration of the state	AFE/PO No.	and the appendix of the state of the state of the	1000 - 2 - 02 18 A
EXEMPT E&P W	aste/Service Identification and Amount (place	volume next to w	aste type in barrels or cubic yards)	MON THORN THE REAL
Oil Based Muds	NON-INJECTABLE WATERS		INJECTABLE WATERS	
Oll Based Cuttings	Washout Water (Non-Injectable)	CMD INCOME TO BE AND IN A DESCRIPTION OF A	Washout Water (Injectable)	
Water Based Muds Water Based Cuttings	Completion Fluid/Flow back (Non-Injectable) Produced Water (Non-Injectable)	TREAL PROPERTY OF	Completion Fluid/Flow back (Injectable) Produced Water (Injectable)	- 9181 - 10 moli - 10
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	1. 1. 1. 1. 1.	Gathering Line Water/Waste (Injectable)	
Tank Bottoms	INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation)	process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	A DESCRIPTION OF A DESCRIPTION	1 call	11616
WASTE GENERATION PROCESS:		N	PRODUCTION GATHE	ERING LINES
All non avenue 52.0	NON-EXEMPT E&P Waste/Service Id waste must be analysed and be below the threshold			mind sumbrane -
	waste musciele analysed and be delow use uneshold i		om Non-Exempt Waste List on back	
Non-Exempt Other		pieuse select ji	In non-Exempt woste List on Back	
QUANTITY	B - BARRELS	L - LIQUID	Y-YARDS	E - EACH
I hereby certify that according to the Resource Conse load is (Check the appropriate classification)	rvation and Recovery Act (RCRA) and the US Environ	mental Protection Ag	gency's July 1988 regulatory determination, th	e above described waste
Oil field wastes o	generated from oil and gas exploration and productio	n operations and are	e not mixed with non-exempt waste (R360 Acc	epts certifications on a per
RCRA EXEMPT: load basis only)				
RCRA NON-EXEMPT: Oil field waste w	hich is non-hazardous that does not exceed the minin	mum standards for w	vaste hazardous by characteristics established	in RCRA regulations, 40 CFR
	or listed hazardous waste as defined by 40 CFR, part 2	261, subpart D, as an	nended. The following documentation demons	trating the waste as non-
	ached. (Check the appropriate items as provided)		Other (Provide Description Below)	
MSDS Information	on RCRA Hazardous Waste Analysis	and the second		
A PARTY AND A PART		L the December and	of Dublic Sofaty (the order documentation of )	non-hazardous waste
	hazradous, non-oilfeild waste that has been ordered nd a desciption of the waste must accompany this fo		St Public Salety (the order, documentation of	Ion nataraous waste
uetermination a	no a deseption of the waste must descripting this to	and the part of the set		
(PRINT) AUTHORIZED AGENTS NAME	the second s	DATE	SIGNATURE	
	TRANSPO	RTER		Plant Contraction Contraction
	TRAIGHT			
Transporter's Name	bh Panas	Driver's Name	- COULY	
Address		Print Name	The second se	
and a second present present second and the second		Phone No.		and the second barrent being
Phone No.		Truck No.	m 12	A REAL PROPERTY OF
	s/were picked up at the Generator's site listed above	and delivered witho	out incident to the disposal facility listed below	1.
Thereby certify that the above named material(s) we	sy were presed up of the sentence of the sentence	TIL	S > h dete	
SHIPMENT DATE	DRIVER'S SIGNATURE	PEUV	VERY DATE DRIVER	'S SIGNATURE
TRUCK TIME STAM	DISPOSAL F	ACILITY	RECEIVING A	REA
	DISTOSALT	TOILITT	Name/No.	ITI
IN: OUT:			Ivanic/ ivo.	
Site Name/		Phone No.	575-393-1079	
Permit No. Halfway Facility / NM1-006	and the last second sec		A THE REPORT OF THE PARTY OF THE REPORT OF	
Address 6601 Hobbs Hwy US 62/180 Mile 1				NET 110
NORM READINGS TAKEN? (Circle On			ding > 50 micro roentgens? (circle one)	YES NO
PASS THE PAINT FILTER TEST? (Circle On	e) YES	NO		
	I AINK BUT	TOIVIS	and have been been and and the	
Feet	Inches	P	S&W/BBLS Received BS	5&W (%)
1st Gauge 2nd Gauge			Free Water	and the state of the
Received		and the second	Total Received	and the second second second second
		the state of the state of the	and the second se	and the second
I hereby certify that the above load material has	been (circle one): ACCEPTED DENIED	If denied, wh	y?	
UN MILLION	ALP 1	YEAN	1 Walter	
NAME (PRINT)	DATE	TITLE	SIGNATURE	

Released to Imaging: 1/26/2022 9:08:29 AM TRANSPORTER COPY Pink - GENERATOR SITE COPY Gold - RETURN TO GENERATOR Version 1

Received by OCD: 6/30/2021 11:	10:57 RM MEXICO NON-HAZARDOUS		1ANIFEST Co Name	ompany Man Co <b>Page 98 of 105</b>
WIRDMENTAL SOLUTIONS	(PLEASE PF	(INT)	Phone No.	11100
	GENERA	TOP	NO.	
Operator No.	GENERA	Permit/RRC No. Lease/Well		506625
Operators Name	HANNER -	Name & No. County		
		API No.		
City, State, Zip		Rig Name & No. AFE/PO No.		
Phone No.			the type in barrols or cubic var	de)
CONTRACTOR OF THE OWNER	Vaste/Service Identification and Amount (plac NON-INJECTABLE WATERS	e volume next to wa	INJECTABLE WATERS	
Oil Based Muds Oil Based Cuttings	Washout Water (Non-Injectable)		Washout Water (Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)		Completion Fluid/Flow back (Injec Produced Water (Injectable)	(able)
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)		Gathering Line Water/Waste (Inje	ctable)
Tank Bottoms	INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and r	eneration process of the waste)
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exempt waste)		Calla -	VIIII
WASTE GENERATION PROCESS:		ON 🗌	PRODUCTION	GATHERING LINES
	NON-EXEMPT E&P Waste/Service P waste must be analysed and be below the threshol	Identification and Amo	unt P) Ignitability, Corrosivity and Read	fivity.
All non-exempt L&	waste must be analysed and be below the threshold		m Non-Exempt Waste List on bac	
			Y - YARDS	E - EACH
QUANTITY	B - BARRELS	L - LIQUID	1 1 Comment	
load is (Check the appropriate classification)	servation and Recovery Act (RCRA) and the US Enviro			
RCRA EXEMPT: Oil field waste	s generated from oil and gas exploration and product	tion operations and are	not mixed with non-exempt waste	(K360 Accepts certifications on a per
Oll fold waste	which is non-bazardous that does not exceed the mi	nimum standards for wa	aste hazardous by characteristics es	tablished in RCRA regulations, 40 CFR
RCRA NON-EXEMPT: Oil field waste	, or listed hazardous waste as defined by 40 CFR, par	t 261, subpart D, as ame	ended. The following documentatio	n demonstrating the waste as non-
	ttached. (Check the appropriate items as provided)			
MSDS Informa	ation RCRA Hazardous Waste Analys	sis	Other (Provide Description Below)	
and the state of the providence of the state	18			
EMERGENCY NON-OILFEILD: Emergency no determination	n-hazradous, non-oilfeild waste that has been ordere and a desciption of the waste must accompany this	ed by the Department o form)	f Public Safety (the order, documen	tation of non-hazardous waste
		DATE		INATURE
(PRINT) AUTHORIZED AGENTS NAME	TRANSPO	ORTER		
Transporter's	TIMITST		(Ver	
Name	(D) Para(1)	Driver's Name		
Address		Print Name	-	
		Phone No.		
Phone No.		Truck No.	- 4706	
I hereby certify that the above named material(s)	was/were picked up at the Generator's site listed abo	ove and delivered without	ut incident to the disposal facility lis	ted below.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVE	ERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STAN		FACILITY	RECEIV	ING AREA
IN: OUT:	DISTOSAL	ACILITY	Name/No.	1rila
Site Name/		Diana Ma		
Permit No. Halfway Facility / NM1-006		Phone No.	575-393-1079	
	e Marker 66 Carlsbad, NM 88220		and a second determine an	ne) YES NO
NORM READINGS TAKEN? (Circle ( PASS THE PAINT FILTER TEST? (Circle (		NO	ing > 50 micro roentgens? (circle or	10 10
	TANK BO	TTOMS		
Feet	Inches		&W/BBLS Received	BS&W (%)
1st Gauge		85	Free Water	
2nd Gauge			Total Received	
I hereby certify that the above load material h	as been (circle one): ACCEPTED DENIE	D If denied, why	R	
LIN JULIAU	3/1-	ALIA I		SIGNATURE
NAME (PRINT)	DATE	TITLE		

Released to Imaging: 1/26/2022 9:08:29 MM TRANSPORTER COPY Pink - GENERATOR SITE COPY Gold - RETURN TO GENERATOR Version 1

<b>R</b> ENVIRONMENT SOLUTIO	the second se				OCOPHIL 90 YLER 21 .BB PAR <sup>-</sup>			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1209106 Page 99 of 10 O6UJ9A000HH0 5/4/2021 CONOCOPHILLIPS 20654 SEMU EUMONT 084 NON-DRILLING LEA (NM)		
Facility: CRI											
Product / Serv	ice					Qı	antity U	nits			
Contaminated	Soil (R	CRA Exem	pt)				18.00 y	vards			
	Cell	pН	CI Cor	nd. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 <u>X</u> RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste <u>RCRA Non-Exempt</u>: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): <u>MSDS Information</u> <u>RCRA Hazardous Waste Analysis</u> <u>Process Knowledge</u> <u>Other (Provide description above)</u>

Driver/ Agent Signature	R360 Representative Signature	
ARC		
Customer Approval		
	THIS IS NOT AN INVOICE!	
Approved By:	Date:	

Received by		30/2021 11:1	Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI21 JOE T 049 5/4/20	YLER			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-120914 O6UJ9A000 5/4/2021 CONOCOP 20654 SEMU EUN 084 NON-DRILLI LEA (NM)	OHHO PHILLIPS MONT	ge 100 of 105
Facility: CRI											
Product / Serv	vice					Qı	antity U	nits		10 Aug 19 3	
Contaminated	I Soil (R	CRA Exem	pt)				18.00	/ards			
	Cell	рН	CI Con	nd. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 <u>X</u> RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste \_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): \_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature	
Jac		10
Customer Approval		10530
	THIS IS NOT AN INVOICE! $\sim$	
Approved By:	Date:	

Received by OCD: 6/30/2021 11:10 RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin		Custom Ordered AFE #: PO #: Manifes Ma	Customer #: CRI2190 Ordered by: JOE TYLER AFE #: PO #: Manifest #: 10 Manif. Date: 5/4/2021 Hauler: MCNABB PAR Driver CODY Fruck # M02			Bid #: Date: Generator: Generator #: Well Ser. #: Well Name:			700-1209144 Page 101 O6UJ9A000HH0 5/4/2021 CONOCOPHILLIPS 20654 SEMU EUMONT 084 NON-DRILLING LEA (NM)		
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits	Part Frank		
Contaminated	Soil (R	CRA Exem	pt)				10.00 y	vards			
	Cell	рН	CI	Cond	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste \_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): \_\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_\_\_Other (Provide description above)

**Driver/ Agent Signature** 

**R360 Representative Signature** 

**Customer Approval** 

# THIS IS NOT AN INVOICE!

Approved By:

Received by OCD: 6/30/2021 11:1 <b>Received by OCD:</b>	NVIRONMENTAL SOLUTIONS PO #: Manifest #: Manif. Date: Hauler:		CONOCOPHILLIPS CRI2190 JOE TYLER 11 5/4/2021 MCNABB PARTNERS JOE M81			700-1209198 O6UJ9A000 5/4/2021 CONOCOPH 20654 SEMU EUM 084 NON-DRILLI LEA (NM)	HH0 HILLIPS ONT	ge 102 of 105
Facility: CRI								
Product / Service			Qu	antity Ur	nits			and the second
Contaminated Soil (RCRA Exemp	ot)		18.00 yards					
Cell pH	CI Con	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

Driver/ Agent Signature	R360 Representative Signatur	e
Customer Approval		/
	THIS IS NOT AN INVOICE!	
Approved By:	Date:	Z_

Permian Basin		Customer #	<ul> <li>#: CRI2190</li> <li>jOHN THURSTON</li> <li>#: 12</li> <li>tte: 5/4/2021</li> <li>MCNABB PARTNERS CODY M02</li> </ul>				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-12092 O6UJ9A0 5/4/2021 CONOCC 20654 SEMU EU 084 NON-DRI LEA (NM)	00HH0 PHILLIPS IMONT LLING	ge 103 of 105	
Facility: CRI											
Product / Serv	ice		AND PROPERTY.			Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	pt)				10.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
I ah Analysis	50/51	0.00	0.00 0.	00	0						

0.00

0.00

0.00

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waster \_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above) MSDS Information

**Driver/ Agent Signature** 

Lab Analysis: 50/51

**R360 Representative Signature** 

**Customer Approval** 

# THIS IS NOT AN INVOICE!

Approved By:

Date:	
	7

R360 R		Customer Ordered b AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card #	Customer #: CRI2190 Ordered by: JOE TYLER AFE #: PO #: Manifest #: 13 Manif. Date: 5/5/2021 Hauler: MCNABB PARTNE Driver CODY Truck # M02				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	O6UJ9A000HH0 5/5/2021 CONOCOPHILLIPS		ge 104 of 105	
Product / Serv	ice					Q	uantity U	nits	Sec. State	自然主任的	
Contaminated	Soil (R	CRA Exem	ot)				10.00	yards			
	Cell	pН		ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:		0.00	0.00	0.00	0						
Generator Cer I hereby certify	tificatio	n Statemer ding to the R	t of Waste	Stat serva	us tion and Recove	ery Act (R	CRA) and	the US Enviro	onmental Pro	tection Ag	ency's July

1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste \_\_\_\_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): \_\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_\_Other (Provide description above)

**R360 Representative Signature** 

Driver/ Agent Signature	R360 Representative Signature
Customer Approval	
	THIS IS NOT AN INVOICE!
Approved By:	Date:

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
CONOCOPHILLIPS COMPANY	217817
600 W. Illinois Avenue	Action Number:
Midland, TX 79701	34541
	Action Type:
	[C-141] Release Corrective Action (C-141)
	-

#### CONDITIONS

Created By		Condition Date
jnobui	None	1/26/2022

Action 34541