VERTEX

September 27, 2022 Vertex Project #: 22E-00924

Spill Closure Report: Falcon Compressor Station
Section 25, Township 24 South, Range 31 East
County: Eddy
Incident Reports: nAPP2204725407 and nAPP2206735499

Prepared For: **Devon Energy Production Company**
6488 Seven Rivers Highway
Artesia, New Mexico 88210

New Mexico Oil Conservation Division – District 2 – Eddy
811 South 1st Street
Artesia, New Mexico 88210

Devon Energy Production Company (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment and Remediation for two releases consisting of lube oil caused by the lube oil supply tank leaking, and triethylene glycol (TEG) caused by a leak on the PRV at Falcon Compressor Station (hereafter referred to as "Falcon"), incidents nAPP2204725407 and nAPP2206735499. The C-141 Release Notifications were provided to the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management (BLM). This letter provides a description of the spill assessment and remediation, and includes a request for Spill Closure. The spill area is located at N 32.185748, W -103.736725.

Background

The site is located approximately 19 miles east of Malaga, New Mexico (Google Inc., 2022). The legal location for the site is Section 25, Township 24 South and Range 31 East in Eddy County, New Mexico. The spill area is located on BLM property. An aerial photograph and site schematic are presented on Figures 1 and 2 (Attachment 1).

The *Geological Map of New Mexico* indicates the surface geology at Falcon is comprised of Qep – eolian and piedmont deposits that include eolian sands interlaid with piedmont-slope deposits (New Mexico Bureau of Geology and Mineral Resources, 2022). The Natural Resources Conservation Service *Web Soil Survey* characterizes the soils at the site as Pajarito loamy fine sand and Berino complex fine sand and sandy clay loam, characterized by deep, fine soils. It tends to be well-drained with very low to low runoff and moderate available moisture levels in the soil profile (United States Department of Agriculture, Natural Resources Conservation Service, 2022). There is low potential for karst geology to be present near Falcon, though some erosional karst is possible (United States Department of the Interior, Bureau of Land Management, 2018).

The surrounding landscape is associated with dunes, plains, interdunes, and fan piedmonts typical of elevations of 2,000 to 5,700 feet above sea level. The climate is semi-arid, with average annual precipitation ranging between 5 and 15 inches. Historically, the plant community was dominated by grasses, which stabilized the potentially erosive sandy

soils; however, more recent conditions, resulting from fire suppression and extensive grazing, show increased woody plant abundance. The dominant grass species are black grama, dropseeds and bluestems, with scattered shinnery oak and sand sage. Litter and, to a lesser extent, bare ground are a significant proportion of ground cover while grasses compose the remainder (United States Department of Agriculture, Natural Resources Conservation Service, 2022). Limited to no vegetation is allowed to grow on the compacted facility pad.

There is no surface water located at Falcon. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 New Mexico Administrative Code (NMAC; New Mexico Oil Conservation Division, 2018), is an intermittent stream located approximately 5.3 miles northwest of the site. An intermittently flooded freshwater pond is located approximately 10 miles north of the release site (United States Fish and Wildlife Service, 2022). At Falcon, there are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features nearby as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Incident Description

nAPP2204725407

The first release occurred on February 14, 2022, when a third-party contractor was adding lube oil to a compressor and a leak occurred on the lube oil supply tank. The spill was reported on February 16, 2022, and involved the release of approximately 480 gallons of lube oil on the engineered pad near the compressor. Approximately 325 gallons of free fluid was removed during initial spill clean-up.

nAPP2206735499

The second release occurred on March 5, 2022, due to a leak found on the PRV. The spill was reported on March 8, 2022, and involved the release of approximately 250 gallons of TEG onto the engineered pad. Approximately 42 gallons of free fluid was removed during initial spill clean-up.

An initial site inspection of the release areas was completed on April 17, 2022, for both releases, which identified the area of the spill specified in the initial C-141 Reports and estimated the approximate square footage of the release areas. The impacted area for the lube oil release was determined to be approximately 57 feet long and 20 feet wide at an estimated 724 square feet, and the area for the TEG release was determined to be approximately 79 feet long and 62 feet wide at an estimated 1,897 square feet. Initial characterization field screening and laboratory results are included in Tables 2 and 3, respectively (Attachment 2). The Daily Field Report (DFR) associated with the site inspection is included in Attachment 3. Final C-141 Spill Notifications are included in Attachment 4.

Closure Criteria Determination

The depth to groundwater was determined using information from the United States Geological Survey National Water Information Mapping System and Office of the State Engineers Water Rights Database. A 0.5-mile search radius was used to determine groundwater depth. The nearest active well to Falcon is a New Mexico Office of the State Engineer-identified commercial water well, located approximately 1.51 miles south-southwest of the site. The nearest well with a depth to groundwater reference is a domestic water well from 2020 located approximately 1.71 miles north-northwest of the site. The recorded depth to groundwater at that location was 868 feet below ground surface

(bgs; New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System, 2022). Documentation used in Closure Criteria Determination research is included in Attachment 5.

Closure Criteria Worksheet			
Site Name: Falcon Compressor Station			
Spill Coordinates:		**X: 32.185748**	**Y: -103.736725**
Site Specific Conditions		**Value**	**Unit**
1	Depth to Groundwater	**868**	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	28,034	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	53,546	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	20,474	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	8,008	feet
	ii) Within 1000 feet of any fresh water well or spring	8,008	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	9,829	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	Area of minimal flood hazard	year
11	Soil Type	Loamy fine sand, fine sandy loam	
12	Ecological Classification	Loamy sand	
13	Geology	Eolian and piedmont deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	**Constituent**	**Limit**
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TPH - Total petroleum hydrocarbons = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO)
BTEX - Benzene, toluene, ethylbenzene, and xylenes

Remedial Actions Taken

Remediation began on July 13, 2022, and was completed on September 9, 2022. Vertex personnel supervised the excavation of impacted soils. Field screening was completed at multiple sample points and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and EC Meter (chlorides). Field screening results were used to identify areas requiring further remediation from those areas showing concentrations below determined closure criteria levels based on screenings of chlorides and hydrocarbons. Soils were removed to a depth of two feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening results are presented in Table 2 and 3 (Attachment 2). The DFR for excavation activities is included in Attachment 3.

As there are no specific regulations designated by NMOCD for TEG releases, a dialogue was established with NMOCD to confirm closure criteria levels to be reached for applicable levels of TEG. Since there is no established closure criteria limit associated with TEG releases, additional excavation was completed to a depth of four feet bgs after the first confirmatory results at two feet bgs reported were in exceedance of strictest criteria. Communication with the NMOCD regulator is included in Attachment 6.

Notification that confirmatory samples were being collected was provided to the NMOCD on July 22, 2022, and notification for additional sampling on August 30, 2022, and are included in Attachment 6. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 11 samples for the lube oil excavation and 20 samples for the TEG excavation were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Hall Environmental Analysis Laboratory under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), Total Petroleum Hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and Total Chlorides (EPA Method 300.0). Laboratory results are presented in Table 3 (Attachment 2) and the laboratory data report is included in Attachment 7. All confirmatory samples collected and analyzed were below closure criteria for the site.

Closure Request

The spill area was fully delineated, remediated and backfilled with local soils. Confirmatory Sample Notification emails are included in Attachment 6. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per NMAC Closure Criteria for Soils Impacted by a Release locations “under 50 feet to groundwater”. Based on these findings, Devon requests that this spill be closed.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

Monica Peppin, A.S. September 27, 2022
PROJECT MANAGER, REPORTING Date

Attachments

Attachment 1. Figures
Attachment 2. Tables
Attachment 3. Daily Field Report(s) with Photographs
Attachment 4. C-141 Spill Notifications
Attachment 5. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
Attachment 6. Confirmatory Sample Notification and NMOCD Communication
Attachment 7. Laboratory Data Reports and Chain of Custody Forms

References

Google Inc. (2022). *Google Earth Pro (Version 7.3.4)* [Software]. Retrieved from http://www.google.com/earth on June 1, 2022.

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New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System. (2022). *Water Column/Average Depth to Water Report*. Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html

United States Department of Agriculture, Natural Resources Conservation Service. (2022). *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.

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United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karsts*. Retrieved from https://www.blm.gov/programs/recreation/recreation-programs/caves/new-mexico.

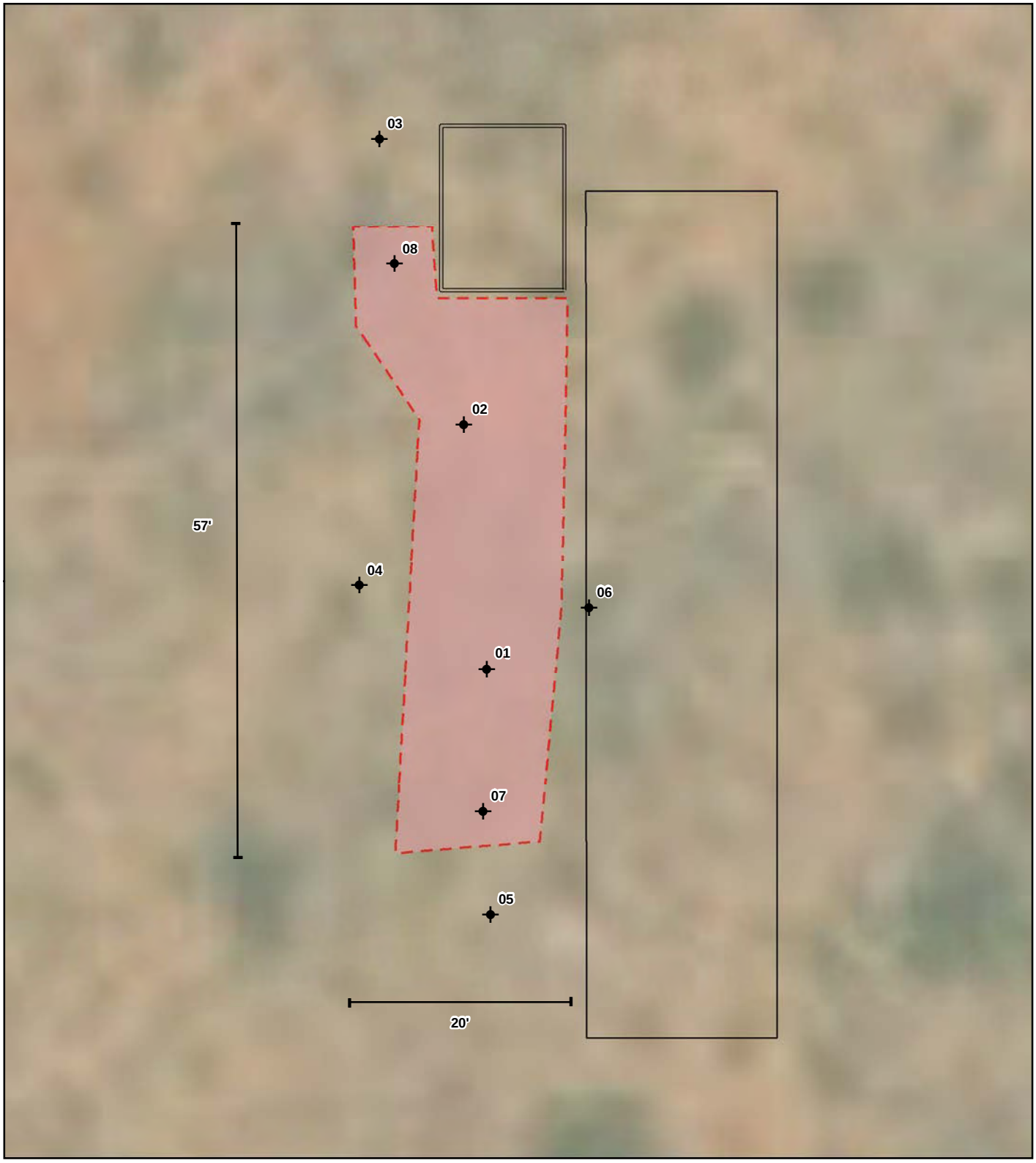
United States Fish and Wildlife Service. (2022). *National Wetlands Inventory Surface Waters and Wetland*. Retrieved from https://www.fws.gov/ wetlands/data/Mapper.html.

Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy Production Company. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

ATTACHMENT 1



Borehole (Prefixed by "BH22-")

Compressor and Equipment

Release Area (~724 sq. ft.)

Tank and Containment

VERTEX

0 2.5 5 10 ft.

NAD 1983 UTM Zone 13N

Date: Jun 24/22

Map Center:
Lat: 32.185609,
Long:-103.736899

N

Characterization Sample Locations
Falcon Compressor Station

FIGURE: 1

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background image from Esri., 2018. Feature locations from GPS, Vertex Professional Services., 2022.

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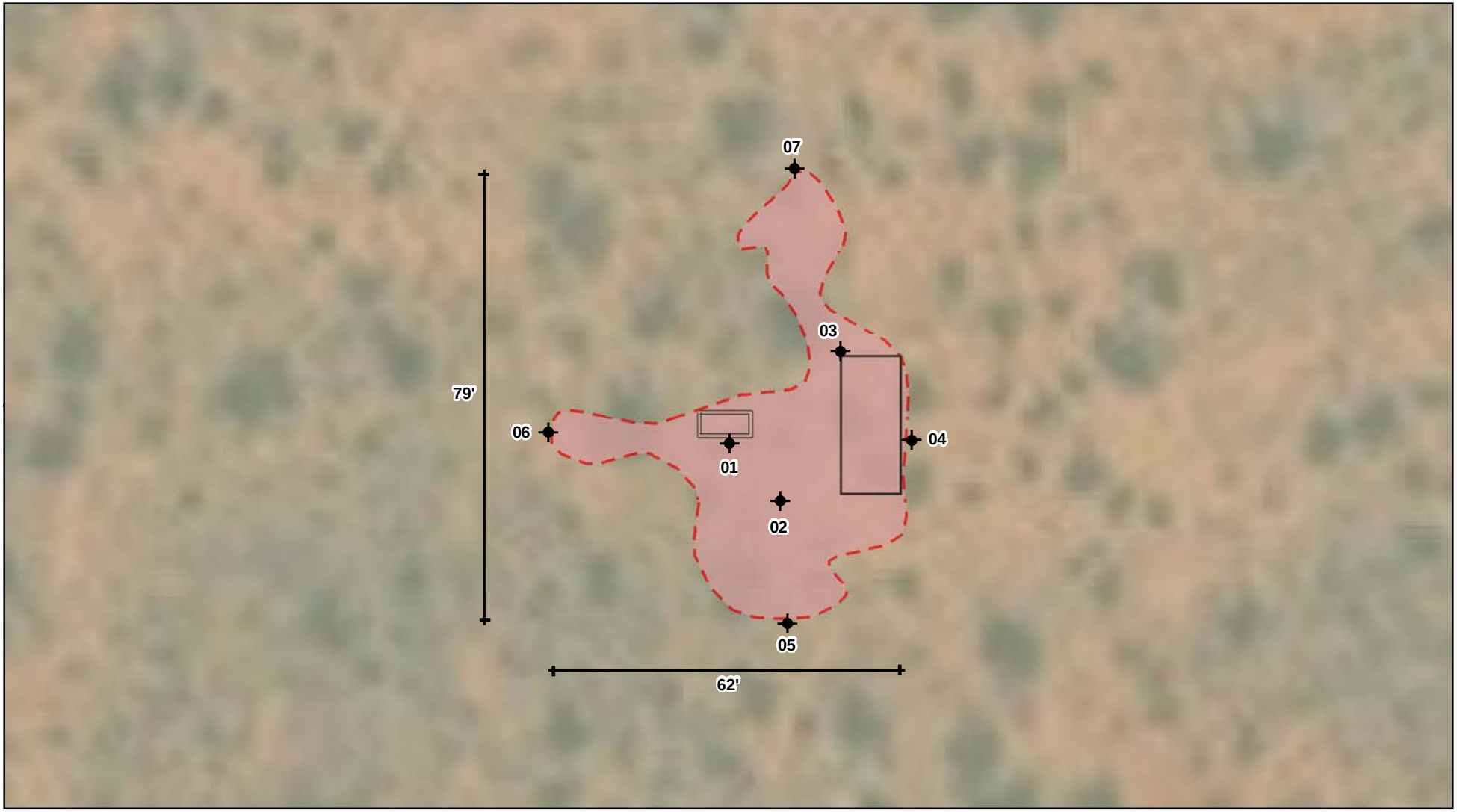
Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2022\22E-00924 - Falcon Compressor Station\Figure 1 Characterization Sample Locations Falcon Compressor Station (22E-00924).mxd



Borehole

ApproximateTEG Release Area (1,897 sq. ft.)

Equipment platform

Tank and containment

VERTEX

0 12.5 25 ft

Map Center:
Lat/Long: 32.185904, -103.737294

NAD 1983 UTM Zone 13N

Date: Apr 21/22

N

Characterization Sampling Locations
Falcon Compressor Station

FIGURE:
2

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Aerial imagery from ESRI., 2021. Sampling and polygon delineations from Vertex Professional Services Ltd., 2021.

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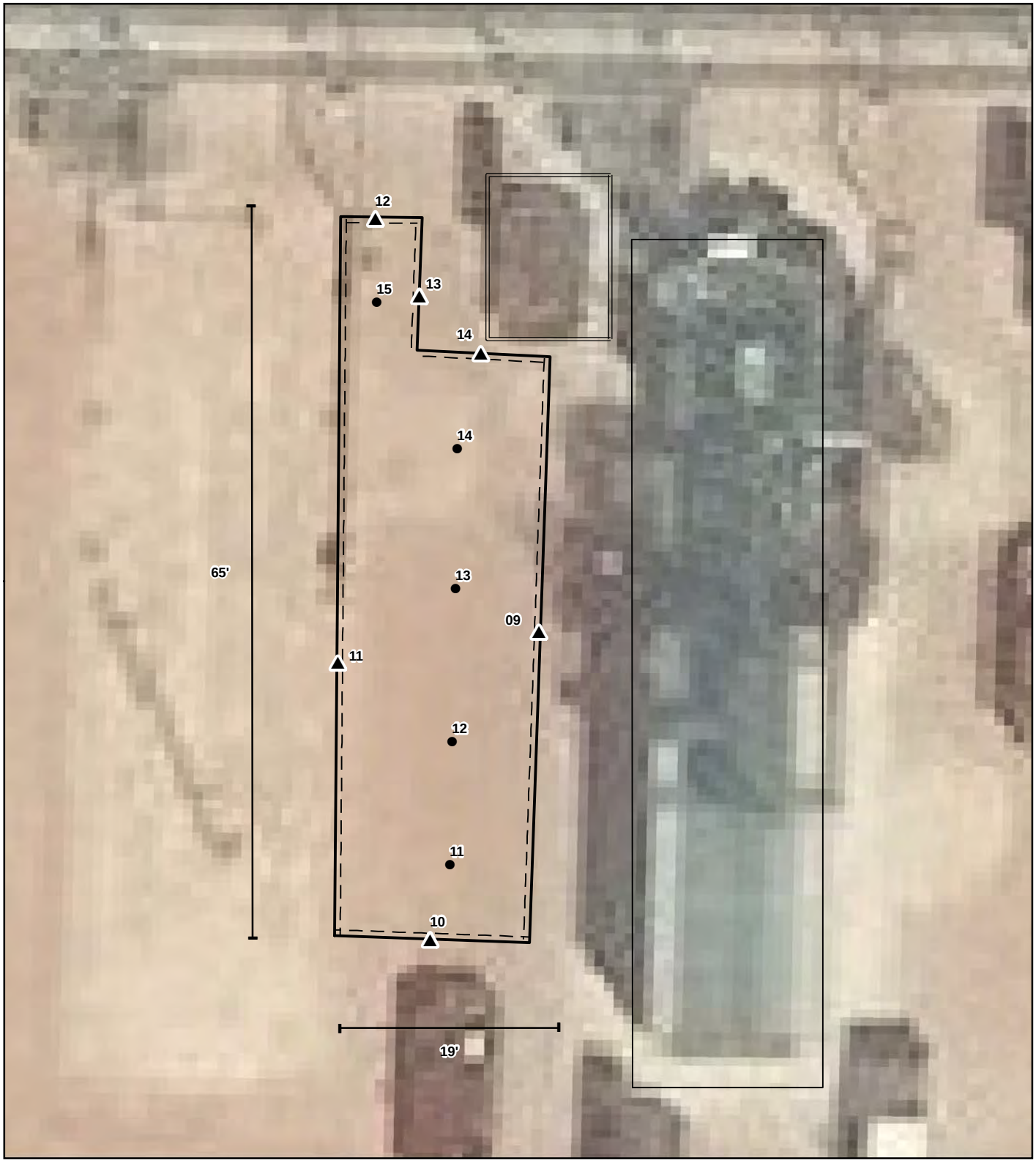
Document Path: G:\1-Projects_US PROJECT S\Devon Energy Corporation\2022\22E-00924 - Falcon Compressor Station\Figure 2 Characterization Schematic Falcon Compressor Station (22E-00924).mxd



- Base Sample (Prefixed by "BS22-")
- Wall Sample (Prefixed by "WS22-")
- 2' Excavation Area (~1,027 sq. ft.)
- Compressor and Equipment
- Tank and Containment

VERTEX

0 2.5 5 10 ft.

NAD 1983 UTM Zone 13N
Date: Sep 07/22

Map Center:
Lat: 32.185621,
Long:-103.736912

N

Confirmatory Schematic
Falcon Compressor Station - nAPP2204725407

FIGURE: 3

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background image from Maxar, 2021. Feature locations from GPS, Vertex Professional Services Ltd., 2022.

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Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2022\22E-00924 - Falcon Compressor Station\Figure 3 Confirmatory Schematic (Falcon Compressor Station - TEG Release).mxd

- Base Sample (Prefixed by "BS22-")
- Wall Sample (Prefixed by "WS22-")
- Approximate Excavation Extent (~2,110 sq. ft.)
- Equipment platform
- Tank and containment

VERTEX

0 2.5 5 10 ft.

NAD 1983 UTM Zone 13N

Date: Sep 07/22

Map Center: Lat: 32.185900, Long:-103.737277

N

Confirmatory Schematic
Falcon Compressor Station nAPP2206735499

FIGURE: 4

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background image from Maxar, 2021. Feature locations from GPS, Vertex Professional Services Ltd., 2022.

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Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2022\22E-00924 - Falcon Compressor Station\Figure 2 Confirmatory Schematic (Falcon Compressor Station - Motor Oil Release).mxd

ATTACHMENT 2

Client Name: Devon Energy Production Company, LP
Site Name: Falcon Compressor Station
NMOCD Tracking #: napp2204725407
Project #: 22E-00924
Lab Report: 2206705

Table 2. Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH22-01	0	6/11/2022	0.0	**192**	ND	ND	ND	ND	25	**520**	25	**545**	ND
	2	6/11/2022	0.1	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-02	0	6/11/2022	0.0	**148**	ND	ND	ND	ND	ND	**140**	ND	**140**	ND
	2	6/11/2022	0.1	37	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-03	0	6/11/2022	0.0	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2	6/11/2022	0.0	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-04	0	6/11/2022	0.0	48	161	ND	ND	ND	ND	ND	ND	ND	96
	2	6/11/2022	0.0	24	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-05	0	6/11/2022	0.0	53	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2	6/11/2022	0.0	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-06	0	6/11/2022	0.0	81	ND	ND	ND	ND	ND	ND	ND	ND	74
	2	6/11/2022	0.0	37	ND	ND	ND	ND	ND	ND	ND	ND	64
BH22-07	0	6/11/2022	0.2	**147**	ND	ND	ND	ND	28	**400**	28	**428**	ND
	2	6/11/2022	0.2	26	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-08	0	6/11/2022	0.7	**1,283**	ND	ND	ND	ND	**1800**	**28000**	**1800**	**29800**	67
	2	6/11/2022	0.1	18	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Client Name: Devon Energy Production Company, LP
Site Name: Falcon Compressor Station
NM OCD Tracking #: nAPP2206735499
Project #: 22E-00924
Lab Reports: 2204844, L1484919

Table 3. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons								Inorganic
						Volatile		Extractable						
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration (calculated from EC)	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Triethylene Glycol	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH22-01	0	4/16/2022	9.8	**109**	470	0.36	7.91	ND	27000	ND	**27000**	**27000**	121000	ND
BH22-01	1	4/16/2022	22.4	22	116	ND	ND	ND	**560**	ND	**560**	**560**	8270	ND
BH22-01	2	4/16/2022	9.8	13	73	-	-	-	-	-	-	-	-	-
BH22-01	3	4/16/2022	4.6	12	0	-	-	-	-	-	-	-	-	-
BH22-01	4	4/16/2022	2.3	9	0	ND	ND	ND	ND	ND	ND	ND	571	ND
BH22-01	5	4/16/2022	11.3	16	0	-	-	-	-	-	-	-	-	-
BH22-02	0	4/16/2022	3.0	59	528	0.033	0.266	ND	17000	ND	**17000**	**17000**	92900	ND
BH22-02	1	4/16/2022	2.7	22	23	ND	ND	ND	15	ND	15	15	581	ND
BH22-02	2	4/16/2022	10.5	15	0	-	-	-	-	-	-	-	-	-
BH22-02	3	4/16/2022	5.1	9	0	-	-	-	-	-	-	-	-	-
BH22-02	4	4/16/2022	8.4	10	0	ND	ND	ND	ND	ND	ND	ND	34.1	ND
BH22-02	5	4/16/2022	3.3	13	8	-	-	-	-	-	-	-	-	-
BH22-03	0	4/16/2022	16.1	69	431	0.036	0.822	ND	17000	ND	**17000**	**17000**	98900	ND
BH22-03	1	4/16/2022	4.9	12	0	ND	ND	ND	19	ND	19	19	1310	ND
BH22-03	2	4/16/2022	7.2	10	0	-	-	-	-	-	-	-	-	-
BH22-03	3	4/16/2022	10.0	14	0	-	-	-	-	-	-	-	-	-
BH22-03	4	4/16/2022	10.5	12	0	ND	ND	ND	ND	ND	ND	ND	319	ND
BH22-03	5	4/16/2022	17.2	16	0	-	-	-	-	-	-	-	-	-
BH22-04	0	4/16/2022	1.4	33	0	ND	0.064	ND	12	ND	12	12	74.4	ND
BH22-04	1	4/16/2022	2.9	11	0	ND	ND	ND	ND	ND	ND	ND	14.9	ND
BH22-04	2	4/16/2022	5.3	13	0	-	-	-	-	-	-	-	-	-
BH22-04	3	4/16/2022	4.2	12	0	-	-	-	-	-	-	-	-	-
BH22-04	4	4/16/2022	5.4	12	0	ND	ND	ND	11	ND	11	11	ND	ND
BH22-05	0	4/17/2022	0.1	34	399	ND	ND	ND	ND	ND	ND	ND	34.8	110
BH22-05	1	4/17/2022	1.4	19	51	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-05	2	4/17/2022	1.7	16	0	-	-	-	-	-	-	-	-	-
BH22-05	3	4/17/2022	1.7	12	0	-	-	-	-	-	-	-	-	-
BH22-05	4	4/17/2022	1.5	17	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-06	0	4/17/2022	0.7	16	438	ND	ND	ND	ND	ND	ND	ND	ND	140
BH22-06	1	4/17/2022	1.0	12	20	ND	ND	ND	11	ND	11	11	ND	ND
BH22-06	2	4/17/2022	1.4	18	33	-	-	-	-	-	-	-	-	-
BH22-06	3	4/17/2022	1.2	9	0	-	-	-	-	-	-	-	-	-
BH22-06	4	4/17/2022	2.0	17	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH22-07	0	4/17/2022	0.6	33	236	ND	ND	ND	ND	ND	ND	ND	ND	66
BH22-07	1	4/17/2022	1.0	14	53	ND	ND	ND	ND	ND	ND	ND	8.86	ND
BH22-07	2	4/17/2022	1.7	12	10	-	-	-	-	-	-	-	-	-
BH22-07	3	4/17/2022	1.2	13	17	-	-	-	-	-	-	-	-	-
BH22-07	4	4/17/2022	1.2	20	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NM OCD Closure Criteria (on-pad)

Client Name: Devon Energy Production Company
Site Name: Falcon Compressor Station
NMOCD Tracking #: nAPP2204725407
Project #: 22E-00924
Lab Reports: 2208801

Table 4. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS22-11	0.5	8/5/2022	-	70	ND	ND	ND	ND	55	ND	55	55	ND
BS22-12	0.5	8/5/2022	-	32	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS22-13	0.5	8/5/2022	-	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS22-14	0.5	8/5/2022	-	24	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS22-15	0.5	8/5/2022	-	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-09	0.5	8/5/2022	-	24	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-10	0.5	8/5/2022	-	28	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-11	0.5	8/5/2022	-	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-12	0.5	8/5/2022	-	19	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-13	0.5	8/5/2022	-	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-14	0.5	8/5/2022	-	34	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria

Client Name: Devon Energy Production Company
Site Name: Falcon Compressor Station
NMOCD Tracking #: nAPP2206735499
Project #: 22E-00924
Lab Reports: 2208690, 2209222

Table 5. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons								Inorganic
						Volatile		Extractable						
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Triethylene Glycol	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS22-01	2	8/5/2022	-	14	ND	ND	ND	ND	77	ND	77	77	**559000**	ND
	4	9/2/2022	-	26	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
BS22-02	2	8/5/2022	-	14	288	ND	ND	ND	**4700**	ND	**4700**	**4700**	**29800000**	130
	4	9/2/2022	-	20	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-03	2	8/5/2022	-	14	ND	ND	ND	ND	ND	ND	ND	ND	**12400**	ND
	4	9/2/2022	-	30	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
BS22-04	2	8/5/2022	-	52	130	ND	ND	ND	**3100**	ND	**3100**	**3100**	**31700000**	120
	4	9/2/2022	-	32	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-05	2	8/5/2022	-	30	ND	ND	ND	ND	**320**	ND	**320**	**320**	**7780000**	ND
	4	9/2/2022	-	25	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-06	2	8/5/2022	-	47	223	ND	ND	ND	**1000**	ND	**1000**	**1000**	**16600000**	170
	4	9/2/2022	-	16	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-07	2	8/5/2022	-	36	ND	ND	ND	ND	**1100**	ND	**1100**	**1100**	**17000000**	110
	4	9/2/2022	-	10	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-08	2	8/5/2022	-	47	ND	ND	ND	ND	**1400**	ND	**1400**	**1400**	**16100000**	160
	4	9/2/2022	-	35	ND	ND	ND	ND	**ND**	ND	**ND**	**ND**	**ND**	ND
BS22-09	2	8/5/2022	-	29	ND	ND	ND	ND	ND	ND	ND	ND	**224000**	ND
	4	9/2/2022	-	24	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
BS22-10	2	8/5/2022	-	6	ND	ND	ND	ND	80	ND	80	80	**1630000**	ND
	4	9/2/2022	-	20	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
BS22-16	4	9/2/2022	-	28	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-01	0-2	8/5/2022	-	22	ND	ND	ND	ND	ND	ND	ND	ND	**7340**	ND
	0-4	9/2/2022	-	12	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-02	0-2	8/5/2022	-	19	ND	ND	ND	ND	ND	ND	ND	ND	**23200**	ND
	0-4	9/2/2022	-	39	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-03	0-2	8/5/2022	-	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	0-4	9/2/2022	-	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-04	0-2	8/5/2022	-	20	ND	ND	ND	ND	ND	ND	ND	ND	**5330**	ND
	0-4	9/2/2022	-	19	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-05	0-2	8/5/2022	-	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS22-06	0-2	8/5/2022	-	6	ND	ND	ND	ND	ND	ND	ND	ND	**34500**	ND
	0-4	9/2/2022	-	28	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-07	0-2	8/5/2022	-	17	ND	ND	ND	ND	ND	ND	ND	ND	**89400**	ND
	0-4	9/2/2022	-	33	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-08	0-2	8/5/2022	-	25	ND	ND	ND	ND	ND	ND	ND	ND	**5880**	ND
	0-4	9/2/2022	-	10	ND	ND	ND	ND	ND	ND	ND	ND	**ND**	ND
WS22-15	0-4	9/2/2022	-	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria
Bold and green shaded indicates sample recollected

ATTACHMENT 3

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	4/16/2022
Site Location Name:	Falcon Compressor Station	Report Run Date:	4/17/2022 12:34 AM
Client Contact Name:	Wes Matthews	API #:	
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	4/16/2022 7:53 AM
Departed Site	4/16/2022 3:30 PM

Field Notes

8:50 Completed safety paperwork on arrival. Objective to delineate TEG release and determine if 3rd party motor oil release next to compressors has been cleaned up.

8:51 Walked around compressors and determined possible 3rd party motor oil release point point based on picture.

10:37 Mapped approximate TEG release in Arc collector. Aerial photography not recent enough to show compressor station. Polygon approximate. Mapped approximate location of equipment platform that blocks east portion of spill and release source point, and tank/containment in spill area.

15:17 Collected BH22-01, 02, and 03 close to release area to 5 feet bgs.

17:29 Collected BH22-04 immediately east of equipment platform and release for east edge of horizontal delineation.

Next Steps & Recommendations

1 Complete horizontal delineation north, west, south.

Daily Site Visit Report

Site Photos

Viewing Direction: Northeast	**Viewing Direction**: Northeast
	
West of west compressor facing northeast. Possible release point for 3rd party motor oil spill.	Southwest of equipment platform facing northeast. Collected BH22-02 south of equipment platform.

Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: West
	
Northwest of equipment platform facing southeast. Collected BH22-03 north of equipment platform.	East of equipment platform facing west. Collected BH22-04 east of equipment platform.
Viewing Direction: Southwest	**Viewing Direction**: Southeast
	
North of release facing southwest. Release extends east under equipment platform.	North of release facing southeast. Release stain visible on surface.

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: East
	
West of release facing east.	Southwest of release center facing east. Release on surface terminates at pipes to south.

Viewing Direction: West	**Viewing Direction**: North
	
East of release facing west.release on surface extends approximately 1 foot past southeast corner of platform.	North of pipes, west of equipment platform, facing north. Collected BH22-01 west of equipment platform.

Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: Southeast
	
Northwest of equipment platform facing southeast. Equipment platform blocks east portion of spill and release source.	West of equipment platform facing southeast. Tank and containment within spill area.

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Lakin Pullman

Signature: 

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	4/17/2022
Site Location Name:	Falcon Compressor Station	Report Run Date:	4/17/2022 10:33 PM
Client Contact Name:	Wes Matthews	API #:	
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	4/17/2022 6:49 AM
Departed Site	4/17/2022 1:34 PM

Field Notes

11:58 Completed safety paperwork on arrival.

12:00 Advanced boreholes BH22-05, BH22-06, and BH22-07 off south, west, and north edges of spill staining, respectively. Completed characterization of TEG release.

12:11 Equipment on location will interfere with excavation and is blocking the source of the release. The surface foot of material is caliche, with sand underneath.

12:14 Moved to compressors to investigate 3rd party motor oil release. Area between compressors has been covered with crushed stone.

13:07 Moved crushed stone off to side and collected surface samples SS22-01 an SS22-02 on release area west of west compressor based on picture of event. SS22-01 is under strictest NMOCD requirements per field screening. SS22-02 is just over strictest requirements for TPH (115 ppm) per field screening. Release area has had work completed, but how much is unknown. Need to check with 3rd party to see if the kept records and collected confirmation samples.

Next Steps & Recommendations

1 Remove surface 0.5-1.0 feet of TEG release area, avoiding equipment.

Daily Site Visit Report

Site Photos

Viewing Direction: North

South of release area and pipe facing north. Collected BH22-05 off south edge of spill outline.

Viewing Direction: North

West of west compressor facing north. Pushed crushed stone aside and collected SS22-02.

Viewing Direction: East

West of release area facing east. Collected BH22-06 off west edge of spill outline.

Viewing Direction: South

North of release area facing south. Collected BH22-07 off north edge of spill outline.

Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: East
	
North of release facing southeast. Equipment will impede complete remediation.	West of release facing east. Equipment will impede complete remediation.
Viewing Direction: East	**Viewing Direction**: Northwest
	
Southwest of release facing east. Equipment will impede complete remediation.	Southeast of release facing northwest. Equipment will impede complete remediation.

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: North
	
Southwest of compressors facing north. Crushed stone was spread over release area.	West of west compressor facing north. Pushed crushed stone aside and collected SS22-01.

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	
Site Location Name:	Falcon Compressor Station	Report Run Date:	8/31/2022 7:51 PM
Client Contact Name:	Wes Matthews	API #:	
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	
Departed Site	

Field Notes

13:32 Arrived on location

13:32 Oversaw hydrovac operations

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: South	**Viewing Direction**: East
	
Extent of TEG release excavation	TEG containment and release excavation
Viewing Direction: Northwest	**Viewing Direction**: South
	
Dehy skid, TEG containment and excavation	Motor oil containment and excavation

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: North
	
Central area of motor oil excavation	Southern area of motor oil release excavation

Daily Site Visit Report

Daily Site Visit Signature

Inspector: McKitric Wier

Signature: 

Signature

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	9/14/2022
Site Location Name:	Falcon Compressor Station	Report Run Date:	9/14/2022 10:59 PM
Client Contact Name:	Wes Matthews	API #:	
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	9/14/2022 12:10 PM
Departed Site	9/14/2022 1:00 PM

Field Notes

12:33 Arrived on location and filled out JSA's

12:33 Began taking photographs of excavation on TEG spill

12:53 Completed photographing current state of excavation and departed site

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: East

Southern portion of excavation and southwest wall

Viewing Direction: South

Northernmost extent of excavation and excavation between dehy skid and TEG containment

Viewing Direction: South

Excavation east of dehy skid

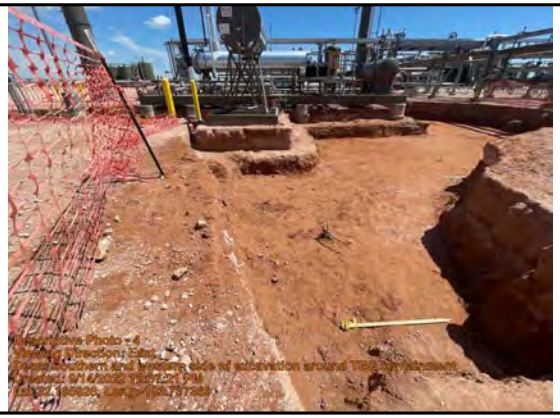
Viewing Direction: West

Southernmost portion of excavation and southwest wall

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: North
	
Southern portion of excavation and south wall of excavation around dehy skid	Southern portion of excavation at 4’ depth
Viewing Direction: North	**Viewing Direction**: East
	
Southwestern portion of excavation and TEG containment	Southwestern portion of excavation and dehy skid

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: West
	
Southern and western side of excavation around TEG containment	Westernmost extent of current excavation

Viewing Direction: North	**Viewing Direction**: East
	
Northwest portion of excavation	Excavation north of dehy at 4’ depth

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: Northwest
	
Northernmost portion of excavation	Northernmost portion of excavation

Daily Site Visit Report

Daily Site Visit Signature

Inspector: McKitric Wier

Signature: 

ATTACHMENT 4

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2204725407
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2204725407
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/29/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2204725407
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/29/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NAPP2206735499
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email Dale.Woodall@dvn.com	Incident # *(assigned by OCD)*
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.185748 Longitude -103.736725
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Falcon Compressor Station	Site Type
Date Release Discovered 3/5/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
L	25	24S	31E	EDDY

Surface Owner: ☐ State ■ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
■ Other (describe) TEG	Volume/Weight Released (provide units) 250 GALLONS	Volume/Weight Recovered (provide units) 42 GALLONS

Cause of Release: Night Mechanic found a PRV leaking on location at 22:00 on Mar 5, 2022. The location was ESD'd. The CDM operator found that 250 gallons of Triethylene Glycol (TEG) were spilled onto the ground. The unit was not put back into service. 1 bbl recovered. Spill did not leave location.

Incident ID	nAPP2206735499
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2206735499
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/29/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 10/05/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2206735499
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/29/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 10/05/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date: 12/28/2022

Printed Name: Jocelyn Harimon Title: Environmental Specilalist

ATTACHMENT 5

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02571	4	1	2	02	25S	31E	618292	3559294*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date:	05/22/1968	**Drill Finish Date:**	05/22/1968	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	860 feet	**Depth Water:**	

Meter Number:	16564	**Meter Make:**	MASTERMETER
Meter Serial Number:	8148346	**Meter Multiplier:**	100.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
04/01/2014	2014	378932	A	RPT		0	
07/01/2014	2014	434578	A	RPT		17.077	
10/01/2014	2014	502567	A	RPT		20.865	
12/31/2014	2014	567990	A	RPT		20.078	
02/01/2015	2015	585936	A	RPT		5.507	
03/01/2015	2015	601430	A	RPT		4.755	
04/01/2015	2015	621909	A	RPT		6.285	
04/30/2015	2015	642863	A	RPT		6.431	
05/31/2015	2015	663802	A	RPT		6.426	
07/01/2015	2015	680965	A	RPT		5.267	
08/01/2015	2015	688400	A	RPT		2.282	
08/31/2015	2015	707064	A	RPT		5.728	
10/01/2015	2015	724931	A	RPT		5.483	

**YTD Meter Amounts:	Year	Amount
	2014	58.020
	2015	48.164

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02572	4	2	2	02	25S	31E	618695	3559294*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date:	10/12/1968	**Drill Finish Date:**	10/12/1968	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.50	**Depth Well:**	852 feet	**Depth Water:**	

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
22333	C 04388 POD1	3	2	1	23	24S	31E	617546	3564006

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, GARYR.S AICHARDDENAS

Drill Start Date:	12/18/2019	**Drill Finish Date:**	02/22/2020	**Plug Date:**	
Log File Date:	02/27/2020	**PCW Rcv Date:**		**Source:**	Artesian
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	60 GPM
Casing Size:	4.50	**Depth Well:**	910 feet	**Depth Water:**	868 feet

Water Bearing Stratifications:	Top	Bottom	Description
	866	868	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	850	910

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04388 **Subbasin:** C **Cross Reference:** -

Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 1 **Cause/Case:** -

Owner: TWIN WELLS RANCH LLC

Contact: STEVE MCCUTCHEON

x

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	664131	72121	2019-12-11	PMT	LOG	C 04388 POD1	T		1	

x

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04388 POD1	22333	Artesian	3	2	1	23	24S	31E	617546	3564006	

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	2441			
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	2461	852		
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	2556	860		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	2697			
C 04388 POD1		C	ED	3	2	1	23	24S	31E	617546	3564006	2753	910	868	42
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	2832	1025		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	2859	1016		
C 04576 POD1		CUB	ED	1	2	1	23	24S	31E	617700	3564324	2947	910	850	60
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	3257	895		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	3322	450		
C 04508 POD1		CUB	ED	4	4	3	15	24S	31E	616298	3564493	3929	110		
C 03530 POD1		C	LE	3	4	3	07	24S	32E	620886	3566156	4784	550		

Average Depth to Water: **859 feet**
Minimum Depth: **850 feet**
Maximum Depth: **868 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 619086 **Northing (Y):** 3561724 **Radius:** 5000

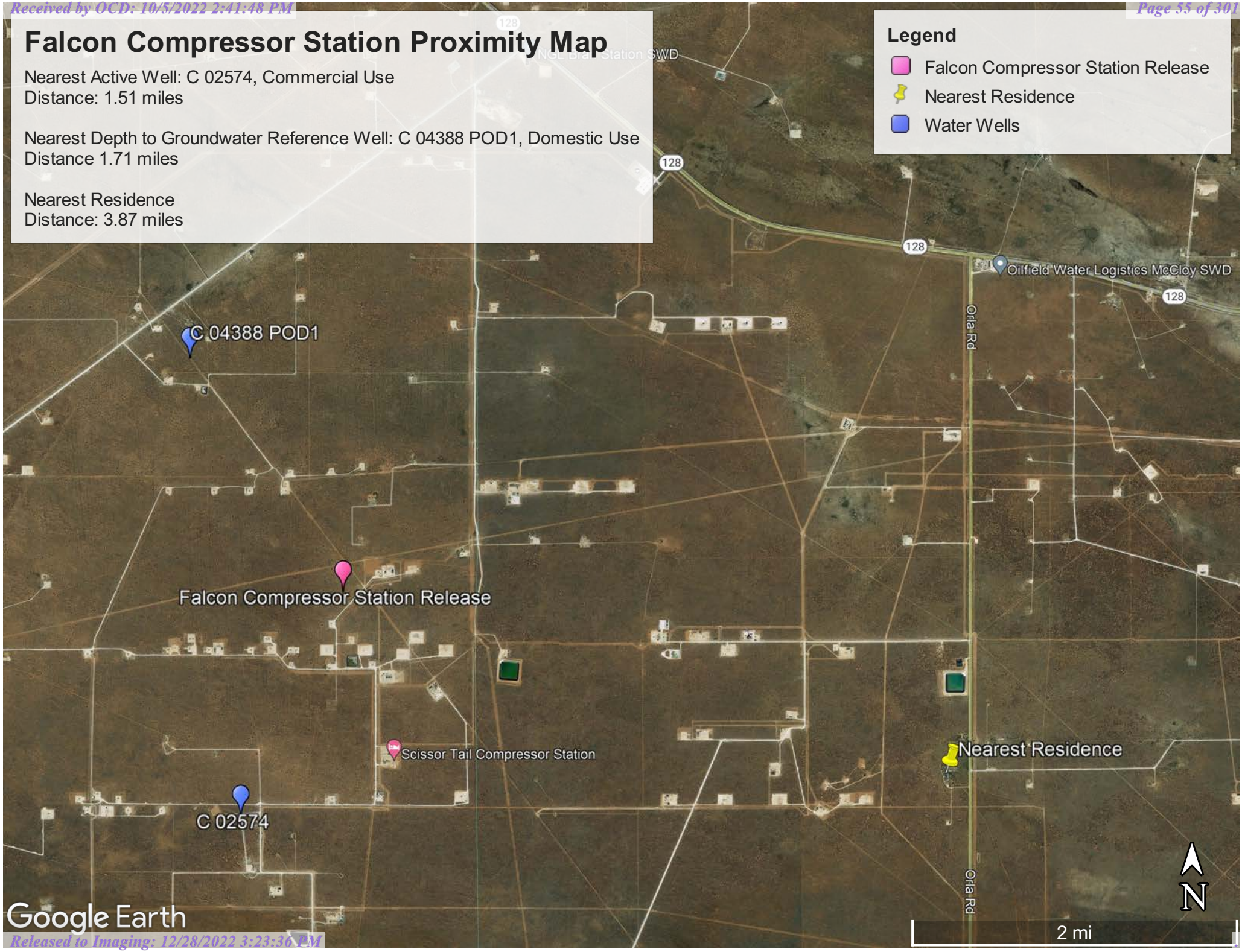
***UTM location was derived from PLSS - see Help**

Falcon Compressor Station Proximity Map

Nearest Active Well: C 02574, Commercial Use
Distance: 1.51 miles

Nearest Depth to Groundwater Reference Well: C 04388 POD1, Domestic Use
Distance 1.71 miles

Nearest Residence
Distance: 3.87 miles



U.S. Fish and Wildlife Service

National Wetlands Inventory

Intermittent, 28034 feet

March 28, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service

National Wetlands Inventory

Pond, 53546 feet

March 28, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02574	1	1	2	02	25S	31E	618092	3559494*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: 12/08/1973 **Drill Finish Date:** 12/08/1973 **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** **Depth Water:**

Meter Number: 534 **Meter Make:** MASTERMETER

Meter Serial Number: 8105692 **Meter Multiplier:** 100.0000

Number of Dials: 6 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:**

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
04/08/1999	1999	5	A	ms		0	
12/07/1999	1999	3162	A	ms		0.407	
03/01/2000	2000	3487	A	ms		0.042	
08/17/2000	2000	16639	A	mb		1.695	
09/30/2000	2000	19545	A	RPT		0.375	
12/31/2000	2000	24556	A	RPT		0.646	
06/30/2001	2001	27640	A	RPT		0.398	
09/30/2001	2001	40251	A	RPT		1.625	
12/31/2001	2001	42744	A	tg		0.321	
03/31/2002	2002	44455	A	mb		0.221	
06/30/2002	2002	46824	A	rm		0.305	
01/02/2003	2002	47958	A	RPT		0.146	
03/31/2003	2003	49039	A	RPT		0.139	
06/30/2003	2003	50257	A	RPT		0.157	
09/30/2003	2003	52007	A	ab		0.226	
12/31/2003	2003	54346	A	ab		0.301	
03/31/2004	2004	54996	A	RPT		0.084	
06/30/2004	2004	57441	A	RPT		0.315	
09/30/2004	2004	58623	A	tw		0.152	
12/31/2004	2004	60821	A	RPT		0.283	
03/31/2005	2005	61432	A	RPT		0.079	
06/30/2005	2005	62637	A	RPT		0.155	
04/01/2014	2014	212089	A	RPT		0	

10/01/2014	2014	234746	A	RPT	6.953
01/01/2015	2014	293484	A	RPT	18.026
02/01/2015	2015	312437	A	RPT	5.816
03/01/2015	2015	323836	A	RPT	3.498
04/01/2015	2015	340723	A	RPT	5.182
05/31/2015	2015	385263	A	RPT	13.669
07/01/2015	2015	403303	A	RPT	5.536
08/01/2015	2015	413318	A	RPT	3.073
08/31/2015	2015	426787	A	RPT	4.133
10/01/2015	2015	445708	A	RPT	5.807

x

**YTD Meter Amounts:	Year	Amount
	1999	0.407
	2000	2.758
	2001	2.344
	2002	0.672
	2003	0.823
	2004	0.834
	2005	0.234
	2014	24.979
	2015	46.714

x

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 02574 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: COM COMMERCIAL

Primary Status: PMT PERMIT

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 12 **Cause/Case:** -

Agent: OXY USA INC

Contact: JEREMY MURPHREY

Owner: BUREAU OF LAND MANAGEMENT

Contact: JAMES STOVALL

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	531582	COWNF	2013-07-16	CHG	PRC	C 02574	T	0	0	
	190047	COWNF	2000-09-05	CHG	PRC	C 02574	T	0	0	
	169495	ADM	1999-11-09	PMT	MTR	C 02574	T	0	12	
	147112	DCL	1998-03-30	DCL	PRC	C 02574 - AMENDED	T	0	12	
	145886	DCL	1998-03-10	DCL	PRC	C 02574	T	0	3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 02574		Shallow	1	1	2	02	25S	31E	618092	3559494*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	12		COM	12/08/1973	GW	

OSE POD Locations Map

3/28/2022, 12:30:23 PM

1:18,056

GIS WATERS PODs

Pending

OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, U.S. Department of Energy Office of Legacy

Unofficial Online Map

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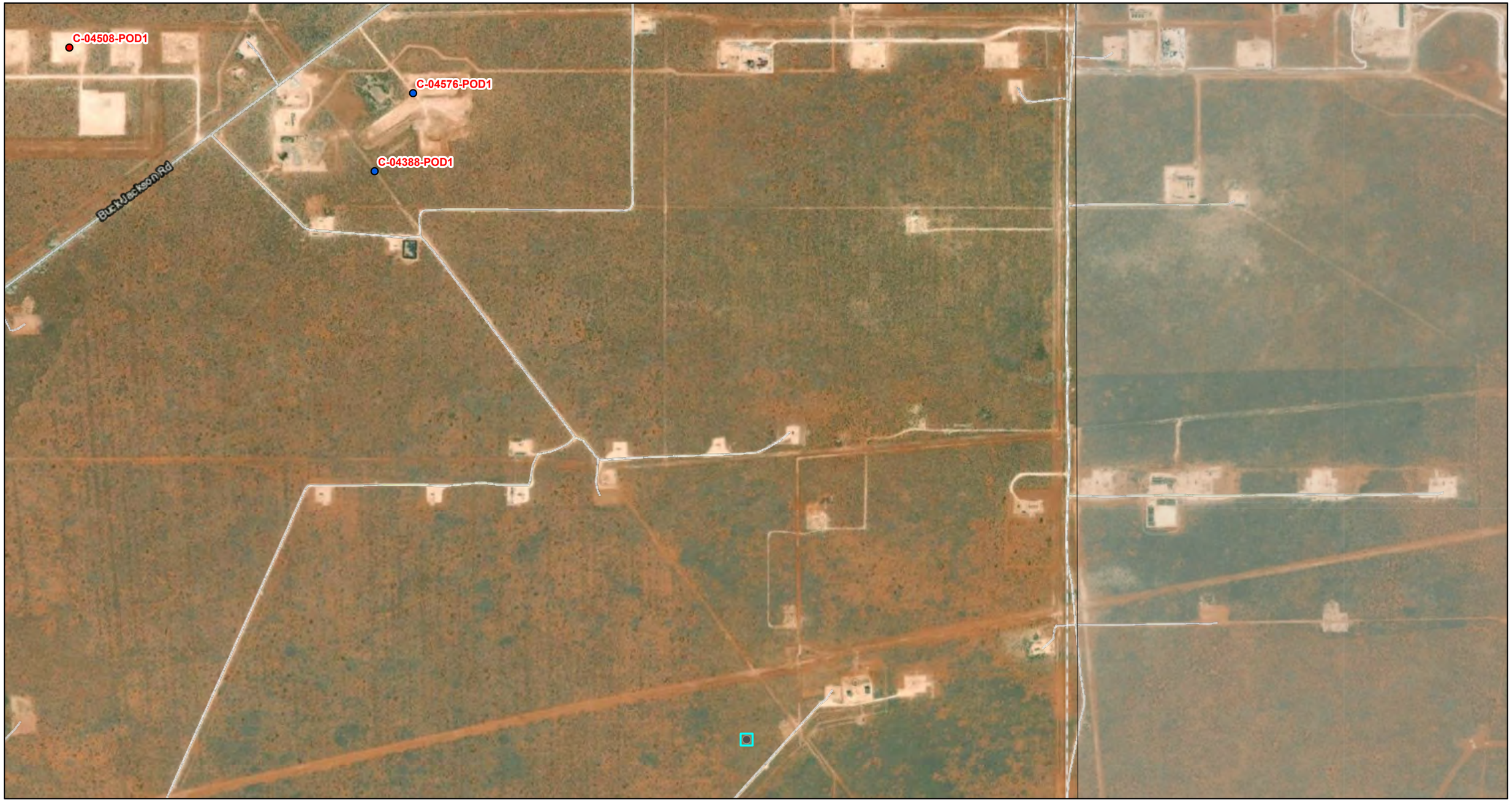
OSE POD Locations Map



3/28/2022, 12:31:58 PM

GIS WATERS PODs
Active
Plugged

OSE District Boundary
Water Right Regulations
Closure Area

SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi
0 0.3 0.6 1.2 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, U.S. Department of Energy Office of Legacy

Unofficial Online Map
These maps are distributed “as is” without warranty of any kind.

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q 64	q 16	q 4	Sec	Twn	Rng	X	Y	Distance
C 02574	CUB	COM	12	OXY USA INC	ED	C 02574				Shallow	1	1	2	02	25S	31E	618092	3559494*	2441
C 02572	CUB	COM	3	OXY USA INC	ED	C 02572					4	2	2	02	25S	31E	618695	3559294*	2461
C 02571	CUB	COM	3	OXY USA INC	ED	C 02571				Shallow	4	1	2	02	25S	31E	618292	3559294*	2556
C 02573	CUB	COM	3	OXY USA INC	ED	C 02573					1	4	2	02	25S	31E	618499	3559091*	2697
C 04388	C	DOM	1	TWIN WELLS RANCH LLC	ED	C 04388 POD1	22333			Artesian	3	2	1	23	24S	31E	617546	3564006	2753
C 02568	CUB	COM	3	BUREAU OF LAND MANAGEMENT	ED	C 02568					4	3	1	01	25S	31E	619103	3558892*	2832
C 02569	CUB	COM	12	BUREAU OF LAND MANAGEMENT	ED	C 02569				Shallow	4	4	2	02	25S	31E	618699	3558891*	2859
C 04576	CUB	EXP	0	TWIN WELLS RANCH LLC	ED	C 04576 POD1	NA			Artesian	1	2	1	23	24S	31E	617699	3564324	2947
C 04593	CUB	MON	0	DEVON ENERGY	ED	C 04593 POD1	NA				3	4	4	34	24S	31E	616902	3559674	2994
C 02570	CUB	COM	3	OXY USA INC	ED	C 02570					4	2	4	02	25S	31E	618704	3558489*	3257
C 03830	CUB	EXP	0	ROCKHOUSE RANCH INC	ED	C 03830 POD1				Shallow	4	2	4	02	25S	31E	618632	3558432	3322
C 02020	C	STK	3	BUREAU OF LAND MANAGEMENT	ED	C 02020						4	4	28	24S	31E	615360	3561356*	3744
C 04508	CUB	MON	0	WSP USA	ED	C 04508 POD1	NA				4	4	3	15	24S	31E	616298	3564493	3929
C 02245	C	STK	3	JR ENGINEERING & CONST. CO.	ED	C 02245						1	1	12	25S	31E	619018	3557785*	3939
C 02021	C	STK	3	BUREAU OF LAND MANAGEMENT	ED	C 02021						1	2	28	24S	31E	614944	3562559*	4225
C 02959	C	STK	3	RICHARDSON CATTLE COMPANY	ED	C 02959					1	3	2	33	24S	31E	614866	3560646*	4355
C 01914	C	PRO	0	PERRY R BASS	ED	C 01914					4	1	2	04	25S	31E	615064	3559275*	4708
C 03530	C	STK	0	ANNETTE MCCLOY	LE	C 03530 POD1					3	4	3	07	24S	32E	620886	3566156	4784
C 04220	CUB	MON	0	CHEVRON N AMERICA EXPL & PROD	ED	C 04220 POD1	NA				2	3	3	11	24S	31E	617401	3566340	4914

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 619086 **Northing (Y):** 3561724 **Radius:** 5000

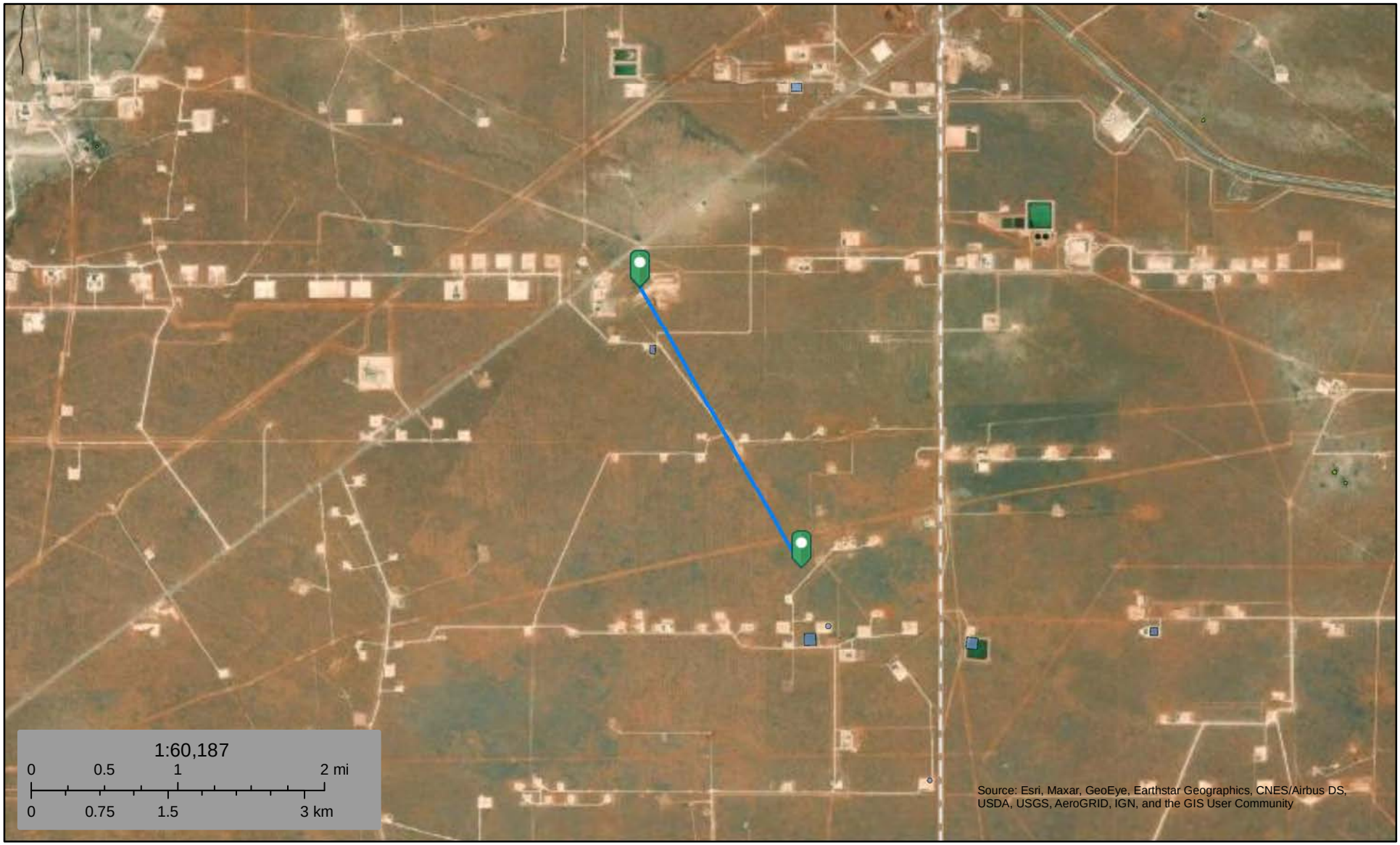
Sorted by: Distance

***UTM location was derived from PLSS - see Help**

U.S. Fish and Wildlife Service

National Wetlands Inventory

Wetland, 9829 feet



March 28, 2022

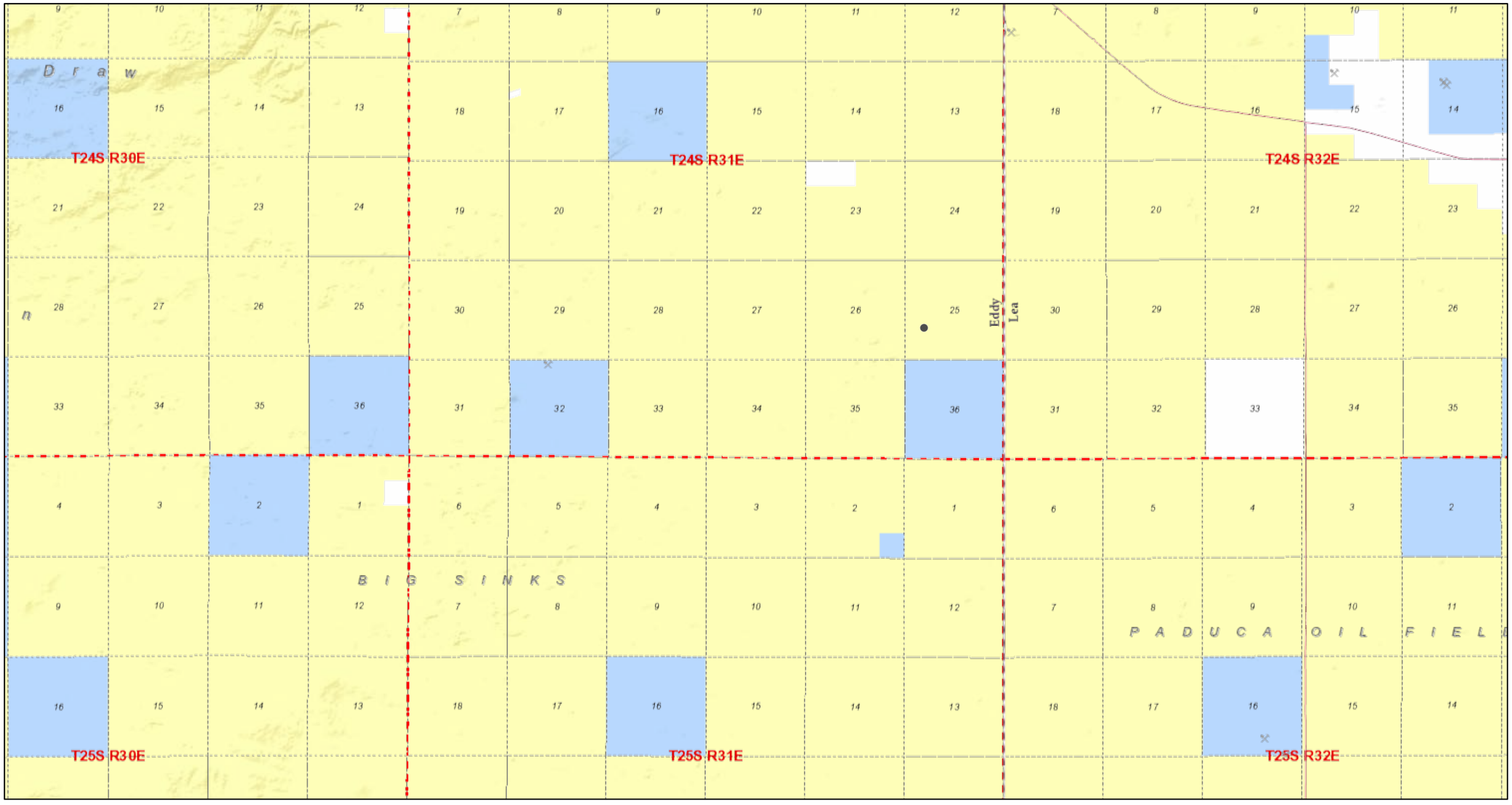
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Active Mines in New Mexico



3/28/2022, 1:02:49 PM

1:72,224

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

Township / Range

Sections

Land Ownership

Bureau of Land Management

Bureau of Reclamation

Department of Agriculture

Department of Defense

Department of Energy

National Park Service

Private Land

State Game and Fish

State Land

State Parks

Tribal

US Fish and Wildlife Service

US Forest Service

Registered Mines

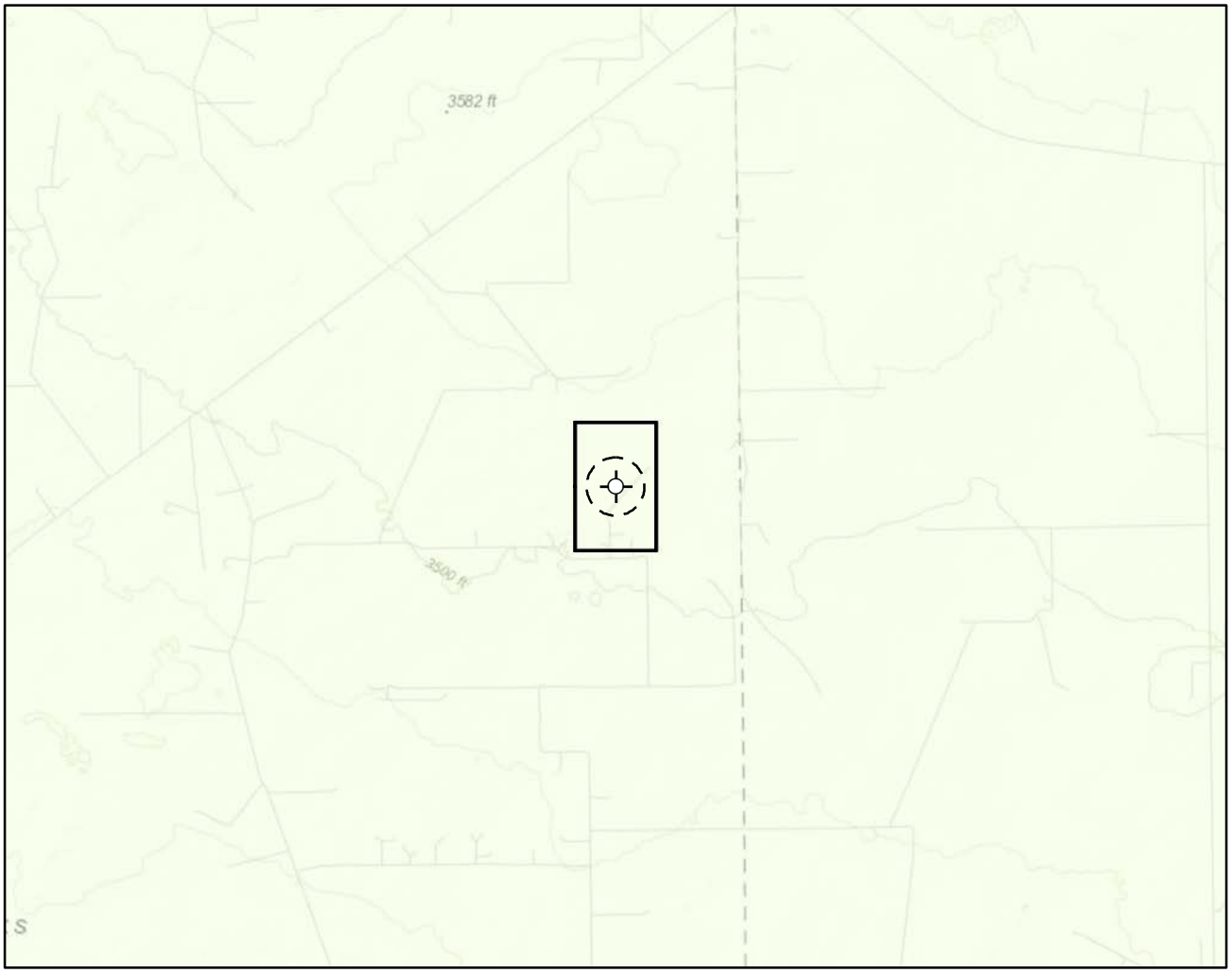
Aggregate, Stone etc.

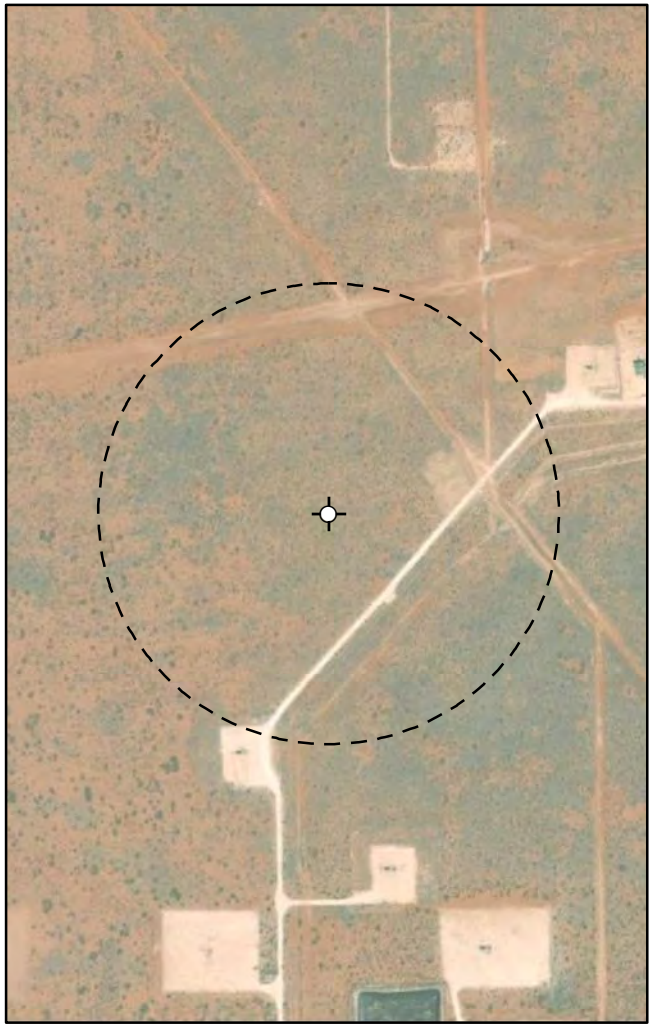
Aggregate, Stone etc.

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)





Karst Potential

- Critical
- High
- Medium
- Low

- Site Location
- Site Buffer (1,000 ft.)

Overview Map

0 0.25 0.5 1 mi

Detail Map

0 150 300 600 ft.

VERTEX

Map Center:
Lat/Long: 32.185748, -103.736725

NAD 1983 UTM Zone 13N
Date: Apr 12/22

N

Karst Potential Schematic
Falcon Compressor Station

FIGURE:
X

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, ESRI 2021; Overview Map: ESRI World Topographic. Karst potential data sourced from Rosswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management. (2018). Karst Potential.

VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2022\22E-00924 - Falcon Compressor Station\Figure X Karst Potential Schematic Falcon Compressor Station (22E-00924).mxd

National Flood Hazard Layer FIRMette

FEMA

103°44'31"W 32°11'24"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°43'53"W 32°10'53"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/28/2022 at 2:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

March 28, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:2,020 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	0.9	5.6%
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	15.1	94.4%
Totals for Area of Interest		**16.0**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54
Elevation: 2,700 to 5,500 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 13 inches: loamy fine sand
H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 1 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Berino

Percent of map unit: 1 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

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USDA Natural Resources Conservation Service

Ecological site R042XC003NM
Loamy Sand

Accessed: 03/28/2022

General information

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R042XC004NM	**Sandy** Sandy
R042XC005NM	**Deep Sand** Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.
Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.
The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.
Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:
Maljamar
Berino

Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview

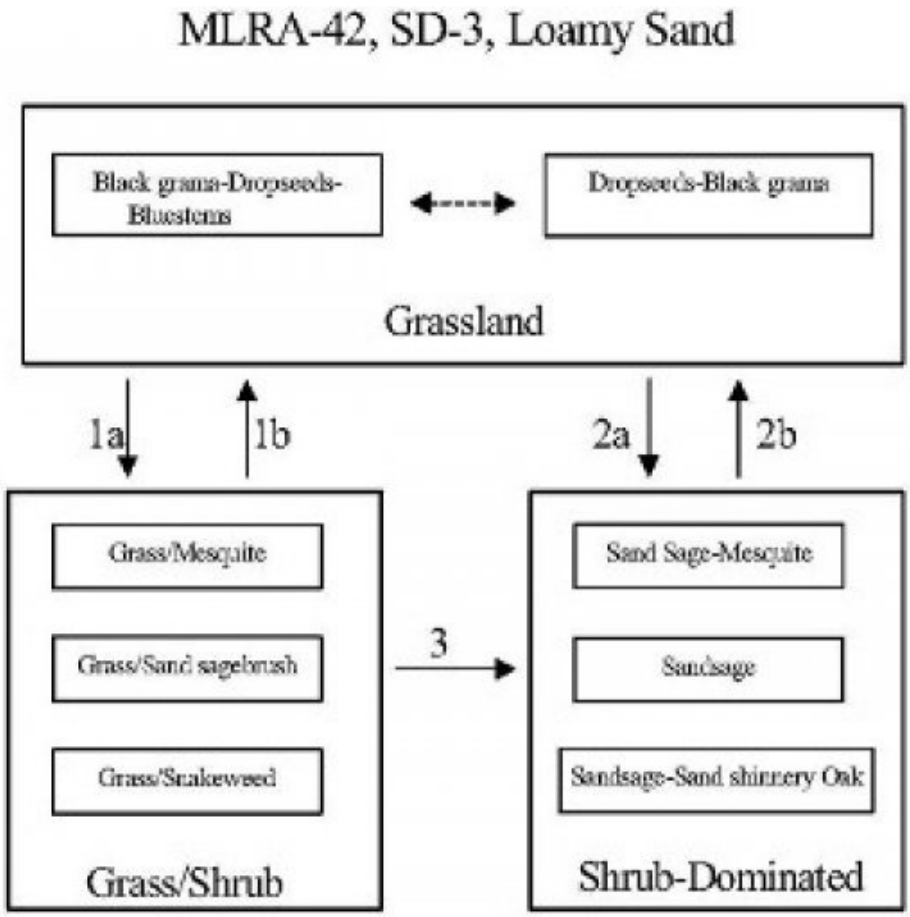
The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-

dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



1a. Drought, over grazing, fire suppression.
1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.
2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

Figure 4.

State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species.

Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	**650**	**1225**	**1800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 6. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Grass/Shrub

Community 2.1
Grass/Shrub

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971).

Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution.

Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984).
Key indicators of approach to transition:
• Loss of black grama cover
• Surface soil erosion
• Bare patch expansion
• Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances

Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3
Shrub Dominated

Community 3.1
Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986).

Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state.

Key indicators of approach to transition:

• Severe loss of grass species cover
• Surface soil erosion
• Bare patch expansion
• Increased sand sage, shinnery oak, and mesquite abundance

Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state.

Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite.

Key indicators of approach to transition:

• Continual loss of dropseeds/threeawns cover
• Surface soil erosion
• Bare patch expansion
• Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			61–123	
	little bluestem	SCSC	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	

	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa neomexicana*	37–61	–
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	
	sand sagebrush	ARFI2	*Artemisia filifolia*	61–123	–
	Havard oak	QUHA3	*Quercus havardii*	61–123	–
11	**Shrub**			34–61	
	fourwing saltbush	ATCA2	*Atriplex canescens*	37–61	–
	featherplume	DAFO	*Dalea formosa*	37–61	–
12	**Shrub**			37–61	
	jointfir	EPHED	*Ephedra*	37–61	–
	littleleaf ratany	KRER	*Krameria erecta*	37–61	–
13	**Other Shrubs**			37–61	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	37–61	–
Forb					
14	**Forb**			61–123	
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	61–123	–
	Indian blanket	GAPU	*Gaillardia pulchella*	61–123	–
	globemallow	SPHAE	*Sphaeralcea*	61–123	–
15	**Forb**			12–37	
	woolly groundsel	PACA15	*Packera cana*	12–37	–
16	**Forb**			61–123	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	61–123	–
	woolly plantain	PLPA2	*Plantago patagonica*	61–123	–
17	**Other Forbs**			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched

lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.
Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.
Hydrologic Interpretations
Soil Series Hydrologic Group
Berino B
Kinco A
Maljamar B
Pajarito B
Palomas B
Wink B
Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month
Similarity Index Ac/AUM
100 - 76 2.3 – 3.5
75 – 51 3.0 – 4.5
50 – 26 4.6 – 9.0
25 – 0 9.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

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Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. Journal of Range Management 24:136-141.

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. Journal of Range Management 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

McDaniel, Kirk C.; Pieper, Rex D.; Loomis, Lyn E.; Osman, Abdelgader A. 1984. Taxonomy and ecology of perennial snakeweeds in New Mexico. Bulletin 711. Las Cruces, NM: New Mexico State University, Agricultural Experiment Station. 34 p.

McPherson, Guy R. 1995. The role of fire in the desert grasslands. In: McClaran, Mitchel P.; Van Devender, Thomas R., eds. The desert grassland. Tucson, AZ: The University of Arizona Press: 130-151.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

3. **Number and height of erosional pedestals or terracettes:**

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

5. **Number of gullies and erosion associated with gullies:**

6. **Extent of wind scoured, blowouts and/or depositional areas:**

7. **Amount of litter movement (describe size and distance expected to travel):**

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

    Dominant:

    Sub-dominant:

    Other:

    Additional:

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

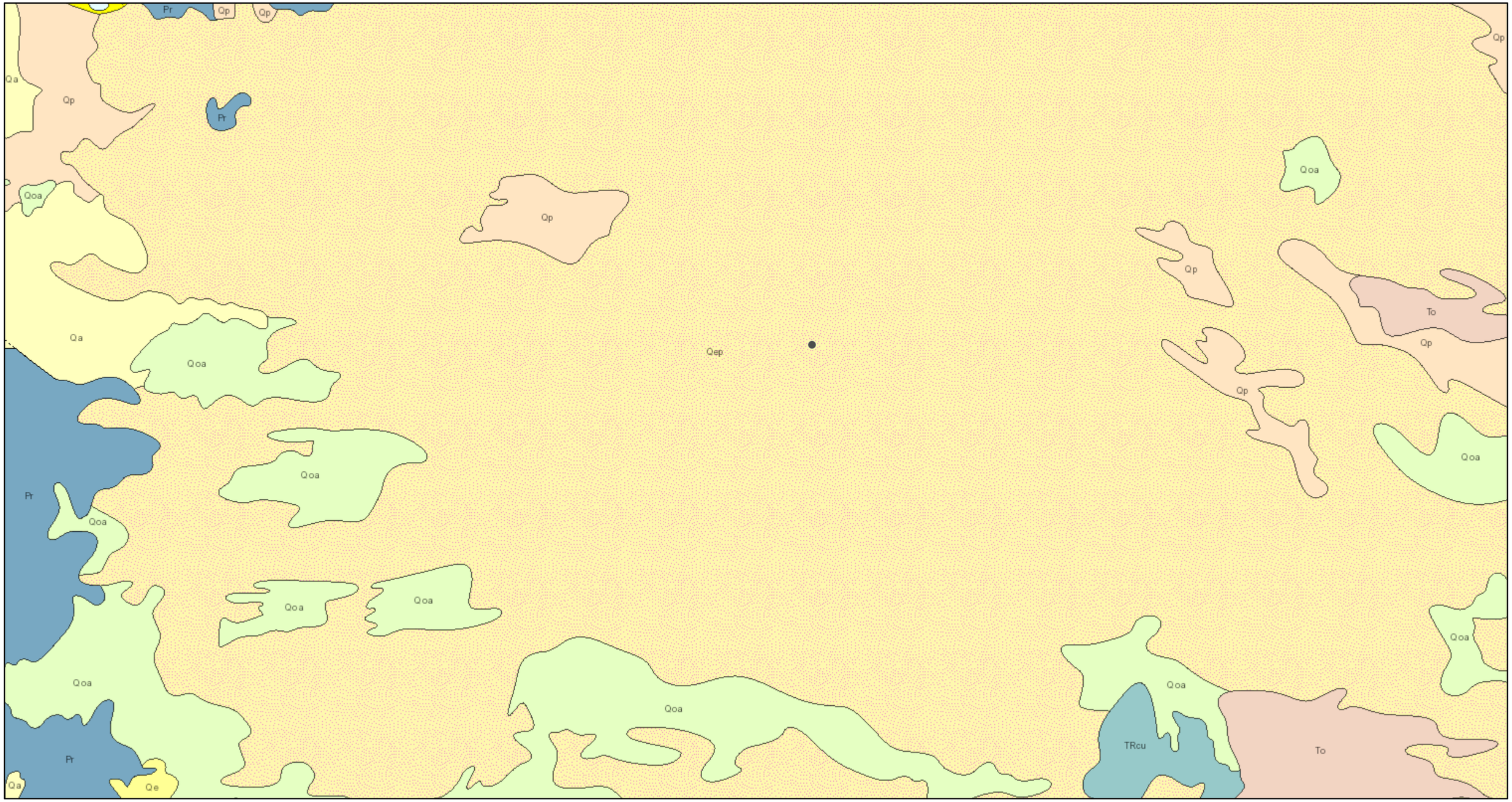
14. **Average percent litter cover (%) and depth (in):**

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

17. **Perennial plant reproductive capability:**

ArcGIS Web Map



3/28/2022, 1:20:37 PM

1:144,448

Lithologic Units

- Playa——Alluvium and evaporite deposits (Holocene)
- Water——Perenial standing water
- Qa——Alluvium (Holocene to upper Pleistocene)
- Ql——Landslide deposits and colluvium (Holocene to Pleistocene) — Landslide deposits on western flanks of Socorro Mountains not shown for clarity
- Qpl——Lacustrine and playa deposits (Holocene) — Includes associated alluvial and eolian deposits of major lake basins
- Qp——Piedmont alluvial deposits (Holocene to lower Pleistocene)
- Qe——Eolian deposits (Holocene to middle Pleistocene)
- Qeg——Gypsiferous eolian deposits (Holocene to middle Pleistocene)

0 1.5 3 6 mi

0 2.5 5 10 km

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS

ArcGIS Web AppBuilder

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line

ATTACHMENT 6

From: Bratcher, Mike, EMNRD
To: Dhugal Hanton; Enviro, OCD, EMNRD; CFO_Spill, BLM_NM; Hamlet, Robert, EMNRD
Cc: Brandon Schafer; dale.woodall@dvn.com
Subject: RE: [EXTERNAL] Triethylene Glycol Release - nAPP2206735499 - Falcon Compressor Station
Date: Wednesday, March 9, 2022 3:25:45 PM

Brandon,

The Division does not have a set parameter for TEG. It would fall under 19.15.29.11 A.5 (e) of the spill rule if you wanted to go that route, but the short answer is to just remove it all, as is practicable. If the release was off pad, the top 4' of soil has to be "non-waste" containing, which once the TEG hits the ground, it is considered waste.

Hope this helps.

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: Wednesday, March 9, 2022 12:50 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: bschafer@vertex.ca; dale.woodall@dvn.com; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: [EXTERNAL] Triethylene Glycol Release - nAPP2206735499 - Falcon Compressor Station

Hi All,

On behalf of Devon Energy, Vertex would like to begin characterization of the following release but, we would like input from the Division:

Site: Falcon Compressor Station (Eddy County) Incident #: nAPP2206735499 DOR: 3/5/2022
Material: Triethylene Glycol (TEG)

Is there an established remediation limit the Division has previously used for TEG? Our preferred lab can test for it but, we cannot field screen for it.

Triethylene Glycol is not listed in Table 1 of 19.15.29.12 NMAC, Table 1 of 40 C.F.R. 261.24(b), or the Risk Assessment Guidance for Site Investigations and Remediation Volumes 1 and 2. SDS information is attached.

Our plan, if agreeable to the Division, is to delineate based on chlorides, BTEX and TPH field screen values and have the lab analyze for TEG as well as the other 3 analytes. Based on the Division's remediation limit and lab results, we would continue to delineate if the samples were above criteria or begin the remediation process.

DTGW information: No wells are currently known within 0.5 miles - an NMOSE well search is attached.

Thank you,

Brandon Schafer
Project Manager

Vertex Resource Services Inc.

P 701.645.3111 Ext. 706
C 701.301.1564
F 780.464.3731

www.vertex.ca

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: Friday, July 22, 2022 9:35 AM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: Bratcher, Mike, EMNRD; dale.woodall@dvn.com; Monica Peppin
Subject: nAPP2206735499/nAPP2204725407 48 HR Confirmation Sampling Notification

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted for the following releases:

nAPP2205735499 DOR: 03/05/2022 Site Name: Falcon Compressor Station
nAPP2204725407 DOR: 02/14/2022

This work will be completed on behalf of Devon Energy Production Company.

On Wednesday, July 27, 2022 at approximately 8:00 a.m., McKitrick Wier will be on site to conduct additional confirmatory sampling for the above releases and will be continuous through Friday, July 29, 2022. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: August 30, 2022 11:31 AM
To: Nobui, Jennifer, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; dale.woodall@dvn.com; Mathews, Wesley
Cc: Monica Peppin; mmoffit@vertex.ca
Subject: 48 hour notification-Falcon Compressor station confirmation sampling

All,

Please accept this email as notification that Vertex Resource Services has scheduled a confirmation sampling event to be conducted at the following release:

nAPP 2206735499,

Falcon Compressor Station

On Thursday, September 1, 2022, at approximately 1:00 p.m., Monica Peppin will be on-site to conduct confirmation sampling. The sampling will continue through Friday September 2, 2022. She can be reached at 575-361-9880. If you need directions to the site, please do not hesitate to contact her. If you have any questions regarding this notification, please call Kent Stallings at 346-814-1413.

Thank you,

Kent Stallings P.G.
Project Manager
Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001
C 346.814.1413

ATTACHMENT 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 21, 2022

Monica Peppin

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Falcon Compressor Station OrderNo.: 2206705

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 16 sample(s) on 6/14/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-01 0'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 8:25:00 AM
Lab ID: 2206705-001 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	25	15		mg/Kg	1	6/16/2022 10:40:57 AM
Motor Oil Range Organics (MRO)	520	50		mg/Kg	1	6/16/2022 10:40:57 AM
Surr: DNOP	96.0	51.1-141		%Rec	1	6/16/2022 10:40:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 1:59:53 PM
Surr: BFB	96.3	37.7-212		%Rec	1	6/15/2022 1:59:53 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 1:59:53 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 1:59:53 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 1:59:53 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/15/2022 1:59:53 PM
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	6/15/2022 1:59:53 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	59		mg/Kg	20	6/16/2022 2:20:23 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-01 2'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 8:30:00 AM
Lab ID: 2206705-002 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 5:56:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/16/2022 5:56:35 PM
Surr: DNOP	102	51.1-141		%Rec	1	6/16/2022 5:56:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 3:11:39 PM
Surr: BFB	101	37.7-212		%Rec	1	6/15/2022 3:11:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 3:11:39 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 3:11:39 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 3:11:39 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/15/2022 3:11:39 PM
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	6/15/2022 3:11:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	59		mg/Kg	20	6/16/2022 2:57:26 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-02 0'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 8:45:00 AM
Lab ID: 2206705-003 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 11:02:26 AM
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	6/16/2022 11:02:26 AM
Surr: DNOP	117	51.1-141		%Rec	1	6/16/2022 11:02:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 3:59:32 PM
Surr: BFB	99.8	37.7-212		%Rec	1	6/15/2022 3:59:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 3:59:32 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 3:59:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 3:59:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 3:59:32 PM
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	6/15/2022 3:59:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	59		mg/Kg	20	6/16/2022 3:09:47 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-02 2'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 8:55:00 AM
Lab ID: 2206705-004 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 11:13:12 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/16/2022 11:13:12 AM
Surr: DNOP	111	51.1-141		%Rec	1	6/16/2022 11:13:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 4:23:26 PM
Surr: BFB	98.8	37.7-212		%Rec	1	6/15/2022 4:23:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 4:23:26 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 4:23:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 4:23:26 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/15/2022 4:23:26 PM
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	6/15/2022 4:23:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 3:22:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-03 0'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 9:00:00 AM
Lab ID: 2206705-005 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 11:55:57 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/16/2022 11:55:57 AM
Surr: DNOP	78.3	51.1-141		%Rec	1	6/16/2022 11:55:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 4:47:28 PM
Surr: BFB	96.6	37.7-212		%Rec	1	6/15/2022 4:47:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	6/15/2022 4:47:28 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 4:47:28 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 4:47:28 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/15/2022 4:47:28 PM
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	6/15/2022 4:47:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 3:34:28 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-03 2'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 9:05:00 AM
Lab ID: 2206705-006 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:06:40 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/16/2022 12:06:40 PM
Surr: DNOP	92.0	51.1-141		%Rec	1	6/16/2022 12:06:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/15/2022 5:11:30 PM
Surr: BFB	99.5	37.7-212		%Rec	1	6/15/2022 5:11:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	6/15/2022 5:11:30 PM
Toluene	ND	0.048		mg/Kg	1	6/15/2022 5:11:30 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/15/2022 5:11:30 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/15/2022 5:11:30 PM
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	6/15/2022 5:11:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 4:11:30 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-04 0'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 9:15:00 AM
Lab ID: 2206705-007 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:17:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/16/2022 12:17:31 PM
Surr: DNOP	114	51.1-141		%Rec	1	6/16/2022 12:17:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 5:35:32 PM
Surr: BFB	99.0	37.7-212		%Rec	1	6/15/2022 5:35:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 5:35:32 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 5:35:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 5:35:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 5:35:32 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	6/15/2022 5:35:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	96	60		mg/Kg	20	6/16/2022 4:23:50 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-04 2'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 9:20:00 AM
Lab ID: 2206705-008 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 12:28:24 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/16/2022 12:28:24 PM
Surr: DNOP	91.8	51.1-141		%Rec	1	6/16/2022 12:28:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 5:59:38 PM
Surr: BFB	99.7	37.7-212		%Rec	1	6/15/2022 5:59:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 5:59:38 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 5:59:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 5:59:38 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 5:59:38 PM
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	6/15/2022 5:59:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 4:36:11 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-05 0'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 9:25:00 AM
Lab ID: 2206705-009 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 12:39:17 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/16/2022 12:39:17 PM
Surr: DNOP	80.3	51.1-141		%Rec	1	6/16/2022 12:39:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 6:23:37 PM
Surr: BFB	104	37.7-212		%Rec	1	6/15/2022 6:23:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	6/15/2022 6:23:37 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 6:23:37 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 6:23:37 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/15/2022 6:23:37 PM
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	6/15/2022 6:23:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 4:48:31 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-05 2'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 9:35:00 AM
Lab ID: 2206705-010 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:50:08 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/16/2022 12:50:08 PM
Surr: DNOP	106	51.1-141		%Rec	1	6/16/2022 12:50:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 6:47:39 PM
Surr: BFB	101	37.7-212		%Rec	1	6/15/2022 6:47:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	6/15/2022 6:47:39 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 6:47:39 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 6:47:39 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/15/2022 6:47:39 PM
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	6/15/2022 6:47:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 5:00:53 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BH22-06 0'
Project: Falcon Compressor Station **Collection Date:** 6/11/2022 9:40:00 AM
Lab ID: 2206705-011 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 1:01:00 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/16/2022 1:01:00 PM
Surr: DNOP	94.2	51.1-141		%Rec	1	6/16/2022 1:01:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 7:11:39 PM
Surr: BFB	102	37.7-212		%Rec	1	6/15/2022 7:11:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 7:11:39 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 7:11:39 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 7:11:39 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/15/2022 7:11:39 PM
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	6/15/2022 7:11:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	74	60		mg/Kg	20	6/16/2022 5:13:13 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-06 2'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 9:50:00 AM
Lab ID: 2206705-012 **Matrix:** SOIL
Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 1:11:50 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/16/2022 1:11:50 PM
Surr: DNOP	110	51.1-141		%Rec	1	6/16/2022 1:11:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 7:35:34 PM
Surr: BFB	99.9	37.7-212		%Rec	1	6/15/2022 7:35:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 7:35:34 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 7:35:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 7:35:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 7:35:34 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	6/15/2022 7:35:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	64	60		mg/Kg	20	6/16/2022 5:25:34 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-07 0'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 12:40:00 PM
Lab ID: 2206705-013 **Matrix:** SOIL
Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	28	15		mg/Kg	1	6/16/2022 1:22:41 PM
Motor Oil Range Organics (MRO)	400	51		mg/Kg	1	6/16/2022 1:22:41 PM
Surr: DNOP	97.2	51.1-141		%Rec	1	6/16/2022 1:22:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 9:58:20 PM
Surr: BFB	96.4	37.7-212		%Rec	1	6/15/2022 9:58:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 9:58:20 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 9:58:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 9:58:20 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 9:58:20 PM
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	6/15/2022 9:58:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	6/16/2022 5:37:54 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-07 2'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 12:50:00 PM
Lab ID: 2206705-014 **Matrix:** SOIL
Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 6:44:09 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/16/2022 6:44:09 PM
Surr: DNOP	97.5	51.1-141		%Rec	1	6/16/2022 6:44:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/15/2022 10:21:56 PM
Surr: BFB	97.6	37.7-212		%Rec	1	6/15/2022 10:21:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 10:21:56 PM
Toluene	ND	0.050		mg/Kg	1	6/15/2022 10:21:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/15/2022 10:21:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/15/2022 10:21:56 PM
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	6/15/2022 10:21:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/16/2022 12:05:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-08 0'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 1:00:00 PM
Lab ID: 2206705-015 **Matrix:** SOIL
Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	1800	1500		mg/Kg	100	6/16/2022 7:07:57 PM
Motor Oil Range Organics (MRO)	28000	5000		mg/Kg	100	6/16/2022 7:07:57 PM
Surr: DNOP	0	51.1-141	S	%Rec	100	6/16/2022 7:07:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 10:45:32 PM
Surr: BFB	97.8	37.7-212		%Rec	1	6/15/2022 10:45:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	6/15/2022 10:45:32 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 10:45:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 10:45:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/15/2022 10:45:32 PM
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	6/15/2022 10:45:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	67	60		mg/Kg	20	6/16/2022 12:42:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2206705**
Date Reported: **6/21/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BH22-08 2'
Project: Falcon Compressor Station
Collection Date: 6/11/2022 1:10:00 PM
Lab ID: 2206705-016 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/17/2022 6:17:37 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/17/2022 6:17:37 AM
Surr: DNOP	108	51.1-141		%Rec	1	6/17/2022 6:17:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/15/2022 11:09:05 PM
Surr: BFB	95.5	37.7-212		%Rec	1	6/15/2022 11:09:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	6/15/2022 11:09:05 PM
Toluene	ND	0.049		mg/Kg	1	6/15/2022 11:09:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/15/2022 11:09:05 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/15/2022 11:09:05 PM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	6/15/2022 11:09:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/16/2022 6:42:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **MB-68139**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **68139**	RunNo: **88758**							
Prep Date: **6/15/2022**	Analysis Date: **6/16/2022**	SeqNo: **3152233**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-68139**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **68139**	RunNo: **88758**							
Prep Date: **6/15/2022**	Analysis Date: **6/16/2022**	SeqNo: **3152234**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	90	110			

Sample ID: **MB-68162**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **68162**	RunNo: **88829**							
Prep Date: **6/16/2022**	Analysis Date: **6/16/2022**	SeqNo: **3153783**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-68162**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **68162**	RunNo: **88829**							
Prep Date: **6/16/2022**	Analysis Date: **6/16/2022**	SeqNo: **3153784**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: **MB-68176**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **68176**	RunNo: **88829**							
Prep Date: **6/16/2022**	Analysis Date: **6/16/2022**	SeqNo: **3153815**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-68176**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **68176**	RunNo: **88829**							
Prep Date: **6/16/2022**	Analysis Date: **6/16/2022**	SeqNo: **3153816**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **LCS-68114**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **68114**	RunNo: **88796**
Prep Date: **6/14/2022**	Analysis Date: **6/16/2022**	SeqNo: **3152882** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	15	50.00	0	118	64.4	127			
Surr: DNOP	5.9		5.000		118	51.1	141			

Sample ID: **MB-68114**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **68114**	RunNo: **88796**
Prep Date: **6/14/2022**	Analysis Date: **6/16/2022**	SeqNo: **3152883** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	51.1	141			

Sample ID: **2206705-016AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH22-08 2'**	Batch ID: **68146**	RunNo: **88796**
Prep Date: **6/15/2022**	Analysis Date: **6/17/2022**	SeqNo: **3154208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	49.16	0	99.8	36.1	154			
Surr: DNOP	4.6		4.916		94.0	51.1	141			

Sample ID: **2206705-016AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH22-08 2'**	Batch ID: **68146**	RunNo: **88796**
Prep Date: **6/15/2022**	Analysis Date: **6/17/2022**	SeqNo: **3154209** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	14	47.89	0	106	36.1	154	3.80	33.9	
Surr: DNOP	4.6		4.789		95.0	51.1	141	0	0	

Sample ID: **LCS-68146**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **68146**	RunNo: **88796**
Prep Date: **6/15/2022**	Analysis Date: **6/17/2022**	SeqNo: **3154228** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	117	64.4	127			
Surr: DNOP	5.8		5.000		117	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **MB-68146**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **68146**	RunNo: **88796**
Prep Date: **6/15/2022**	Analysis Date: **6/17/2022**	SeqNo: **3154229** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.7	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **2206705-016ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH22-08 2'**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151525** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.61	0	114	70	130			
Surr: BFB	2200		984.3		222	37.7	212			S

Sample ID: **2206705-016amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH22-08 2'**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151526** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	70	130	1.56	20	
Surr: BFB	2200		1000		219	37.7	212	0	0	S

Sample ID: **lcs-68100**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **68100**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	72.3	137			
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: **lcs-68104**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151541** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2200		1000		217	37.7	212			S

Sample ID: **mb-68100**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **68100**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	37.7	212			

Sample ID: **mb-68104**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **mb-68104**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.1	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **2206705-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH22-01 0'**	Batch ID: **68100**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151546** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9833	0	87.7	68.8	120	0.762	20	
Toluene	0.91	0.049	0.9833	0	92.3	73.6	124	4.00	20	
Ethylbenzene	0.92	0.049	0.9833	0	93.9	72.7	129	7.66	20	
Xylenes, Total	2.8	0.098	2.950	0	94.6	75.7	126	8.33	20	
Surr: 4-Bromofluorobenzene	0.96		0.9833		97.1	70	130	0	0	

Sample ID: **LCS-68100**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **68100**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151577** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.8	80	120			
Toluene	0.89	0.050	1.000	0	89.4	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	70	130			

Sample ID: **LCS-68104**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151578** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.1	80	120			
Toluene	0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.1	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

Sample ID: **mb-68100**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **68100**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151579** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206705**

21-Jun-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **mb-68104**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **68104**	RunNo: **88769**
Prep Date: **6/14/2022**	Analysis Date: **6/15/2022**	SeqNo: **3151580** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc.

Work Order Number: 2206705

RcptNo: 1

Received By: Juan Rojas 6/14/2022 7:05:00 AM

Completed By: Sean Livingston 6/14/2022 8:31:26 AM

Reviewed By: KPA 6.14.22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 6/14/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.5	Good				

Chain-of-Custody Record

Client: Vertex (Devon)

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☑ Rush 5 Day

Project Name: Foreman Compressor Station

Project #: 22E-00924

Project Manager: Monica Peppin

Sampler: L. Pullman

On Ice: ☐ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): 4.5-0=4.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2206705	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6-11-22	08:25	Soil	BH22-01 0'	1 Jar		001	X	X					X			
6-11-22	08:30	Soil	BH22-01 2'	1 Jar		002	X	X					X			
6-11-22	08:45	Soil	BH22-02 0'	1 Jar		003	X	X					X			
	08:55		BH22-02 2'			004										
	09:00		BH22-03 0'			005										
	09:05		BH22-03 2'			006										
	09:15		BH22-04 0'			007										
	09:20		BH22-04 2'			008										
	09:25		BH22-05 0'			009										
	09:35		BH22-05 2'			010										
	09:40		BH22-06 0'			011										
	09:50		BH22-06 2'			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6-13-22	07:00	Luke Pullman				
6/13/22	1900				6/13/22	700
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				Courier	6/14/22	7.05

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex (Devon)

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5 Day

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: Monica Peppin

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 4.5+0=4.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2206705	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6-1-22	12:40	Soil	BH22-07 0'	1 Jar		013	X	X					X			
6-1-22	12:50	Soil	BH22-07 2'	1 Jar		014	X	X					X			
6-1-22	13:00	Soil	BH22-08 0'	1 Jar		015	X	X					X			
6-1-22	13:10	Soil	BH22-08 2'	1 Jar		016	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6-13-2022	07:00	Sabrina Pullman				
6/13/22	1900				6/13/22	700
				courier	6/14/22	7:05

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 03, 2022

Monica Peppin

Devon Energy
6488 Seven Rivers Highway
Artesia, NM 88210
TEL: (505) 350-1336
FAX

RE: Falcon Compressor Station OrderNo.: 2204844

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 21 sample(s) on 4/20/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-001 **Matrix:** SOIL

Client Sample ID: BH22-01 0'
Collection Date: 4/16/2022 9:40:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	27000	950		mg/Kg	100	4/21/2022 9:34:39 PM
Motor Oil Range Organics (MRO)	ND	4700	D	mg/Kg	100	4/21/2022 9:34:39 PM
Surr: DNOP	0	51.1-141	S	%Rec	100	4/21/2022 9:34:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	4/21/2022 2:29:09 PM
Surr: BFB	101	37.7-212		%Rec	5	4/21/2022 2:29:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.36	0.12		mg/Kg	5	4/21/2022 2:29:09 PM
Toluene	3.2	0.24		mg/Kg	5	4/21/2022 2:29:09 PM
Ethylbenzene	0.65	0.24		mg/Kg	5	4/21/2022 2:29:09 PM
Xylenes, Total	3.7	0.49		mg/Kg	5	4/21/2022 2:29:09 PM
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	5	4/21/2022 2:29:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	61		mg/Kg	20	4/23/2022 2:55:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-002 **Matrix:** SOIL

Client Sample ID: BH22-01 1'
Collection Date: 4/16/2022 9:40:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	560	9.6		mg/Kg	1	4/21/2022 9:56:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 9:56:19 PM
Surr: DNOP	96.6	51.1-141		%Rec	1	4/21/2022 9:56:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/21/2022 3:39:30 PM
Surr: BFB	95.7	37.7-212		%Rec	1	4/21/2022 3:39:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	4/21/2022 3:39:30 PM
Toluene	ND	0.049		mg/Kg	1	4/21/2022 3:39:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/21/2022 3:39:30 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/21/2022 3:39:30 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	4/21/2022 3:39:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 3:07:41 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-003 **Matrix:** SOIL

Client Sample ID: BH22-01 4'
Collection Date: 4/16/2022 9:45:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/21/2022 3:05:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 3:05:16 PM
Surr: DNOP	101	51.1-141		%Rec	1	4/21/2022 3:05:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/21/2022 4:49:48 PM
Surr: BFB	95.5	37.7-212		%Rec	1	4/21/2022 4:49:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	4/21/2022 4:49:48 PM
Toluene	ND	0.050		mg/Kg	1	4/21/2022 4:49:48 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/21/2022 4:49:48 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/21/2022 4:49:48 PM
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	4/21/2022 4:49:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 3:20:05 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-004 **Matrix:** SOIL

Client Sample ID: BH22-02 0'
Collection Date: 4/16/2022 10:15:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	17000	940		mg/Kg	100	4/22/2022 2:57:45 PM
Motor Oil Range Organics (MRO)	ND	4700	D	mg/Kg	100	4/22/2022 2:57:45 PM
Surr: DNOP	0	51.1-141	S	%Rec	100	4/22/2022 2:57:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/21/2022 5:13:15 PM
Surr: BFB	92.8	37.7-212		%Rec	1	4/21/2022 5:13:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.033	0.024		mg/Kg	1	4/21/2022 5:13:15 PM
Toluene	0.083	0.048		mg/Kg	1	4/21/2022 5:13:15 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/21/2022 5:13:15 PM
Xylenes, Total	0.15	0.096		mg/Kg	1	4/21/2022 5:13:15 PM
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	4/21/2022 5:13:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 3:57:18 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-005 **Matrix:** SOIL

Client Sample ID: BH22-02 1'
Collection Date: 4/16/2022 10:15:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	15	10		mg/Kg	1	4/21/2022 3:48:04 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/21/2022 3:48:04 PM
Surr: DNOP	115	51.1-141		%Rec	1	4/21/2022 3:48:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/21/2022 5:36:43 PM
Surr: BFB	95.8	37.7-212		%Rec	1	4/21/2022 5:36:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	4/21/2022 5:36:43 PM
Toluene	ND	0.050		mg/Kg	1	4/21/2022 5:36:43 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/21/2022 5:36:43 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/21/2022 5:36:43 PM
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	4/21/2022 5:36:43 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 4:09:43 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-006 **Matrix:** SOIL

Client Sample ID: BH22-02 4'
Collection Date: 4/16/2022 10:20:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/21/2022 4:09:30 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 4:09:30 PM
Surr: DNOP	109	51.1-141		%Rec	1	4/21/2022 4:09:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/21/2022 7:10:32 PM
Surr: BFB	96.2	37.7-212		%Rec	1	4/21/2022 7:10:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	4/21/2022 7:10:32 PM
Toluene	ND	0.047		mg/Kg	1	4/21/2022 7:10:32 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/21/2022 7:10:32 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/21/2022 7:10:32 PM
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/21/2022 7:10:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 5:11:46 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-007 **Matrix:** SOIL

Client Sample ID: BH22-03 0'
Collection Date: 4/16/2022 10:30:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	17000	1000		mg/Kg	100	4/22/2022 3:21:33 PM
Motor Oil Range Organics (MRO)	ND	5000	D	mg/Kg	100	4/22/2022 3:21:33 PM
Surr: DNOP	0	51.1-141	S	%Rec	100	4/22/2022 3:21:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/21/2022 7:33:56 PM
Surr: BFB	103	37.7-212		%Rec	1	4/21/2022 7:33:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.036	0.023		mg/Kg	1	4/21/2022 7:33:56 PM
Toluene	0.21	0.047		mg/Kg	1	4/21/2022 7:33:56 PM
Ethylbenzene	0.076	0.047		mg/Kg	1	4/21/2022 7:33:56 PM
Xylenes, Total	0.50	0.093		mg/Kg	1	4/21/2022 7:33:56 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/21/2022 7:33:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 5:24:10 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-008 **Matrix:** SOIL

Client Sample ID: BH22-03 1'
Collection Date: 4/16/2022 10:50:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	19	9.7		mg/Kg	1	4/21/2022 4:52:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 4:52:19 PM
Surr: DNOP	113	51.1-141		%Rec	1	4/21/2022 4:52:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/21/2022 7:57:21 PM
Surr: BFB	96.8	37.7-212		%Rec	1	4/21/2022 7:57:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/21/2022 7:57:21 PM
Toluene	ND	0.047		mg/Kg	1	4/21/2022 7:57:21 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/21/2022 7:57:21 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/21/2022 7:57:21 PM
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/21/2022 7:57:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	59		mg/Kg	20	4/23/2022 5:36:35 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-009 **Matrix:** SOIL

Client Sample ID: BH22-03 4'
Collection Date: 4/16/2022 11:00:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/21/2022 5:13:43 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/21/2022 5:13:43 PM
Surr: DNOP	92.9	51.1-141		%Rec	1	4/21/2022 5:13:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/21/2022 8:21:00 PM
Surr: BFB	95.3	37.7-212		%Rec	1	4/21/2022 8:21:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/21/2022 8:21:00 PM
Toluene	ND	0.048		mg/Kg	1	4/21/2022 8:21:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/21/2022 8:21:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	4/21/2022 8:21:00 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	4/21/2022 8:21:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	4/23/2022 5:49:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-010 **Matrix:** SOIL

Client Sample ID: BH22-04 0'
Collection Date: 4/16/2022 4:15:00 PM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	12	9.8		mg/Kg	1	4/21/2022 5:35:17 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/21/2022 5:35:17 PM
Surr: DNOP	87.5	51.1-141		%Rec	1	4/21/2022 5:35:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/21/2022 8:44:25 PM
Surr: BFB	93.3	37.7-212		%Rec	1	4/21/2022 8:44:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	4/21/2022 8:44:25 PM
Toluene	0.064	0.046		mg/Kg	1	4/21/2022 8:44:25 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/21/2022 8:44:25 PM
Xylenes, Total	ND	0.093		mg/Kg	1	4/21/2022 8:44:25 PM
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	4/21/2022 8:44:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 1:31:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-011 **Matrix:** SOIL

Client Sample ID: BH22-04 1'
Collection Date: 4/16/2022 4:15:00 PM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/21/2022 5:57:03 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/21/2022 5:57:03 PM
Surr: DNOP	112	51.1-141		%Rec	1	4/21/2022 5:57:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/21/2022 9:07:47 PM
Surr: BFB	92.8	37.7-212		%Rec	1	4/21/2022 9:07:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/21/2022 9:07:47 PM
Toluene	ND	0.048		mg/Kg	1	4/21/2022 9:07:47 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/21/2022 9:07:47 PM
Xylenes, Total	ND	0.096		mg/Kg	1	4/21/2022 9:07:47 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	4/21/2022 9:07:47 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 1:43:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-04 4'
Project: Falcon Compressor Station
Collection Date: 4/16/2022 4:20:00 PM
Lab ID: 2204844-012 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	11	9.4		mg/Kg	1	4/21/2022 6:18:59 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/21/2022 6:18:59 PM
Surr: DNOP	88.6	51.1-141		%Rec	1	4/21/2022 6:18:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/21/2022 9:31:10 PM
Surr: BFB	93.7	37.7-212		%Rec	1	4/21/2022 9:31:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/21/2022 9:31:10 PM
Toluene	ND	0.047		mg/Kg	1	4/21/2022 9:31:10 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/21/2022 9:31:10 PM
Xylenes, Total	ND	0.095		mg/Kg	1	4/21/2022 9:31:10 PM
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	4/21/2022 9:31:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 1:55:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-05 0'
Project: Falcon Compressor Station
Collection Date: 4/17/2022 7:25:00 AM
Lab ID: 2204844-013 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/21/2022 6:40:54 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/21/2022 6:40:54 PM
Surr: DNOP	88.4	51.1-141		%Rec	1	4/21/2022 6:40:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/21/2022 9:54:30 PM
Surr: BFB	94.3	37.7-212		%Rec	1	4/21/2022 9:54:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	4/21/2022 9:54:30 PM
Toluene	ND	0.050		mg/Kg	1	4/21/2022 9:54:30 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/21/2022 9:54:30 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/21/2022 9:54:30 PM
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	4/21/2022 9:54:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	110	60		mg/Kg	20	4/25/2022 2:08:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-014 **Matrix:** SOIL

Client Sample ID: BH22-05 1'
Collection Date: 4/17/2022 7:25:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/21/2022 7:02:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/21/2022 7:02:45 PM
Surr: DNOP	86.1	51.1-141		%Rec	1	4/21/2022 7:02:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/21/2022 10:17:56 PM
Surr: BFB	93.5	37.7-212		%Rec	1	4/21/2022 10:17:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	4/21/2022 10:17:56 PM
Toluene	ND	0.047		mg/Kg	1	4/21/2022 10:17:56 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/21/2022 10:17:56 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/21/2022 10:17:56 PM
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	4/21/2022 10:17:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 2:20:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-05 4'
Project: Falcon Compressor Station
Collection Date: 4/17/2022 7:30:00 AM
Lab ID: 2204844-015 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/21/2022 7:24:34 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 7:24:34 PM
Surr: DNOP	97.4	51.1-141		%Rec	1	4/21/2022 7:24:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/21/2022 10:41:25 PM
Surr: BFB	96.7	37.7-212		%Rec	1	4/21/2022 10:41:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	4/21/2022 10:41:25 PM
Toluene	ND	0.050		mg/Kg	1	4/21/2022 10:41:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/21/2022 10:41:25 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/21/2022 10:41:25 PM
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	4/21/2022 10:41:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 3:22:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-06 0'
Project: Falcon Compressor Station
Collection Date: 4/17/2022 7:55:00 AM
Lab ID: 2204844-016 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/21/2022 7:46:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 7:46:22 PM
Surr: DNOP	95.4	51.1-141		%Rec	1	4/21/2022 7:46:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/21/2022 11:51:42 PM
Surr: BFB	96.6	37.7-212		%Rec	1	4/21/2022 11:51:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	4/21/2022 11:51:42 PM
Toluene	ND	0.046		mg/Kg	1	4/21/2022 11:51:42 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/21/2022 11:51:42 PM
Xylenes, Total	ND	0.093		mg/Kg	1	4/21/2022 11:51:42 PM
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	4/21/2022 11:51:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	140	60		mg/Kg	20	4/25/2022 3:34:28 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-06 1'
Project: Falcon Compressor Station
Collection Date: 4/17/2022 7:55:00 AM
Lab ID: 2204844-017 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	4/21/2022 8:08:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/21/2022 8:08:07 PM
Surr: DNOP	92.2	51.1-141		%Rec	1	4/21/2022 8:08:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/22/2022 12:15:02 AM
Surr: BFB	94.1	37.7-212		%Rec	1	4/22/2022 12:15:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/22/2022 12:15:02 AM
Toluene	ND	0.049		mg/Kg	1	4/22/2022 12:15:02 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/22/2022 12:15:02 AM
Xylenes, Total	ND	0.098		mg/Kg	1	4/22/2022 12:15:02 AM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	4/22/2022 12:15:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 3:46:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-018 **Matrix:** SOIL

Client Sample ID: BH22-06 4'
Collection Date: 4/17/2022 8:00:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/21/2022 8:29:50 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/21/2022 8:29:50 PM
Surr: DNOP	102	51.1-141		%Rec	1	4/21/2022 8:29:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/22/2022 12:38:19 AM
Surr: BFB	94.1	37.7-212		%Rec	1	4/22/2022 12:38:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/22/2022 12:38:19 AM
Toluene	ND	0.047		mg/Kg	1	4/22/2022 12:38:19 AM
Ethylbenzene	ND	0.047		mg/Kg	1	4/22/2022 12:38:19 AM
Xylenes, Total	ND	0.094		mg/Kg	1	4/22/2022 12:38:19 AM
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	4/22/2022 12:38:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 3:59:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-019 **Matrix:** SOIL

Client Sample ID: BH22-07 0'
Collection Date: 4/17/2022 8:25:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/21/2022 8:51:31 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/21/2022 8:51:31 PM
Surr: DNOP	85.9	51.1-141		%Rec	1	4/21/2022 8:51:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/22/2022 1:01:43 AM
Surr: BFB	97.8	37.7-212		%Rec	1	4/22/2022 1:01:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	4/22/2022 1:01:43 AM
Toluene	ND	0.047		mg/Kg	1	4/22/2022 1:01:43 AM
Ethylbenzene	ND	0.047		mg/Kg	1	4/22/2022 1:01:43 AM
Xylenes, Total	ND	0.094		mg/Kg	1	4/22/2022 1:01:43 AM
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	4/22/2022 1:01:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	66	60		mg/Kg	20	4/25/2022 4:11:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2204844-020 **Matrix:** SOIL

Client Sample ID: BH22-07 1'
Collection Date: 4/17/2022 8:25:00 AM
Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/25/2022 12:04:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/25/2022 12:04:23 PM
Surr: DNOP	79.8	51.1-141		%Rec	1	4/25/2022 12:04:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/22/2022 1:25:00 AM
Surr: BFB	96.8	37.7-212		%Rec	1	4/22/2022 1:25:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	4/22/2022 1:25:00 AM
Toluene	ND	0.048		mg/Kg	1	4/22/2022 1:25:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	4/22/2022 1:25:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	4/22/2022 1:25:00 AM
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/22/2022 1:25:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 4:23:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204844**
Date Reported: **5/3/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Client Sample ID: BH22-07 4'
Project: Falcon Compressor Station
Collection Date: 4/17/2022 8:30:00 AM
Lab ID: 2204844-021 **Matrix:** SOIL **Received Date:** 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/25/2022 12:28:08 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/25/2022 12:28:08 PM
Surr: DNOP	79.1	51.1-141		%Rec	1	4/25/2022 12:28:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/21/2022 9:26:00 PM
Surr: BFB	108	37.7-212		%Rec	1	4/21/2022 9:26:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	4/21/2022 9:26:00 PM
Toluene	ND	0.049		mg/Kg	1	4/21/2022 9:26:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/21/2022 9:26:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	4/21/2022 9:26:00 PM
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	4/21/2022 9:26:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **LRN**
Chloride	ND	60		mg/Kg	20	4/25/2022 4:36:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Pace Analytical®

ANALYTICAL REPORT

April 29, 2022

Hall Environmental Analysis Laboratory

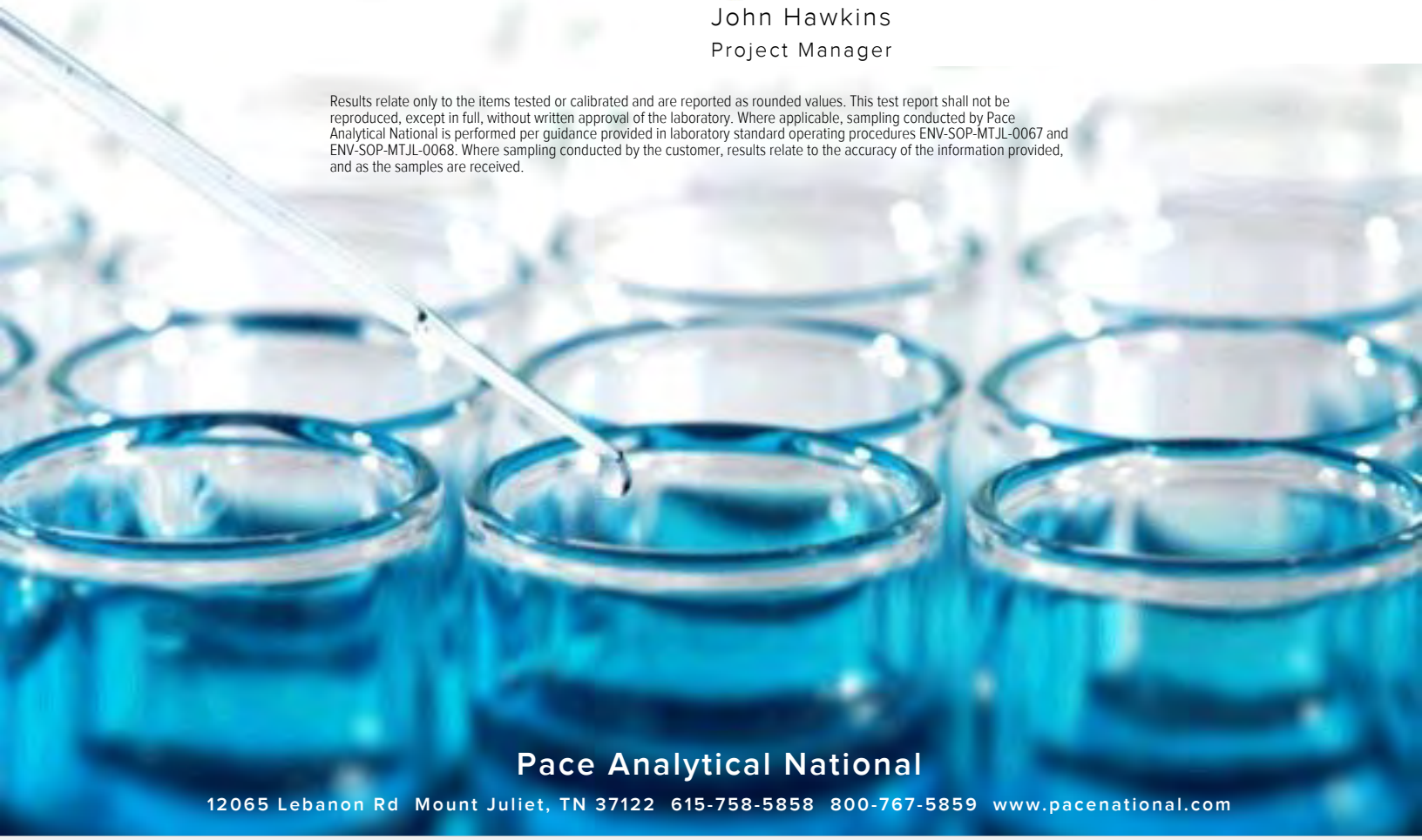
Sample Delivery Group:	L1484919
Samples Received:	04/21/2022
Project Number:	
Description:	

Report To: Andy Freeman
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By: John V Hawkins

John Hawkins
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in 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

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2204844-001B L1484919-01 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-002B L1484919-02 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-003B L1484919-03 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-004B L1484919-04 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-005B L1484919-05 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-006B L1484919-06 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-007B L1484919-07 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-008B L1484919-08 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-009B L1484919-09 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-010B L1484919-10 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-011B L1484919-11 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-012B L1484919-12 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-013B L1484919-13 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-014B L1484919-14 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-015B L1484919-15 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-016B L1484919-16 Solid

Collected by | Collected date/time 04/16/22 09:40 | Received date/time 04/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-017B L1484919-17 Solid

			Collected by	Collected date/time	Received date/time	
				04/16/22 09:40	04/21/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-018B L1484919-18 Solid

			Collected by	Collected date/time	Received date/time	
				04/16/22 09:40	04/21/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-019B L1484919-19 Solid

			Collected by	Collected date/time	Received date/time	
				04/16/22 09:40	04/21/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-020B L1484919-20 Solid

			Collected by	Collected date/time	Received date/time	
				04/16/22 09:40	04/21/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

2204844-021B L1484919-21 Solid

			Collected by	Collected date/time	Received date/time	
				04/16/22 09:40	04/21/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1852399	1	04/29/22 00:00	04/29/22 00:00	-	Baton Rouge, LA 70820

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.

John Hawkins
Project Manager

Project Narrative

L1484919 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21 contains subout data that is included after the chain of custody.

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

SDG	Sample Delivery Group.
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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

D232

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: Pace TN	COMPANY: PACE TN	PHONE: (800) 767-5859	FAX: (615) 758-5859
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Mt. Juliet, TN 37122			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
1	2204844-001B	BH22-01 0'	4OZGU	Soil	4/16/2022 9:40:00 AM	1	5 DAY TAT, Triethyleneglycol	L147491-01
2	2204844-002B	BH22-01 1'	4OZGU	Soil	4/16/2022 9:40:00 AM	1	5 DAY TAT, Triethyleneglycol	02
3	2204844-003B	BH22-01 4'	4OZGU	Soil	4/16/2022 9:45:00 AM	1	5 DAY TAT, Triethyleneglycol	03
4	2204844-004B	BH22-02 0'	4OZGU	Soil	4/16/2022 10:15:00 AM	1	5 DAY TAT, Triethyleneglycol	-4
5	2204844-005B	BH22-02 1'	4OZGU	Soil	4/16/2022 10:15:00 AM	1	5 DAY TAT, Triethyleneglycol	05
6	2204844-006B	BH22-02 4'	4OZGU	Soil	4/16/2022 10:20:00 AM	1	5 DAY TAT, Triethyleneglycol	06
7	2204844-007B	BH22-03 0'	4OZGU	Soil	4/16/2022 10:30:00 AM	1	5 DAY TAT, Triethyleneglycol	07
8	2204844-008B	BH22-03 1'	4OZGU	Soil	4/16/2022 10:50:00 AM	1	5 DAY TAT, Triethyleneglycol	08
9	2204844-009B	BH22-03 4'	4OZGU	Soil	4/16/2022 11:00:00 AM	1	5 DAY TAT, Triethyleneglycol	09
10	2204844-010B	BH22-04 0'	4OZGU	Soil	4/16/2022 4:15:00 PM	1	5 DAY TAT, Triethyleneglycol	10
11	2204844-011B	BH22-04 1'	4OZGU	Soil	4/16/2022 4:15:00 PM	1	5 DAY TAT, Triethyleneglycol	11
12	2204844-012B	BH22-04 4'	4OZGU	Soil	4/16/2022 4:20:00 PM	1	5 DAY TAT, Triethyleneglycol	12
13	2204844-013B	BH22-05 0'	4OZGU	Soil	4/17/2022 7:25:00 AM	1	5 DAY TAT, Triethyleneglycol	13

SPECIAL INSTRUCTIONS / COMMENTS: 5528 5947 9683 2010-20 JAB

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/20/2022	Time: 10:31 AM	Received By:	Date: 4/20/22	Time: 0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples _____ °C Attempt to Cool ? _____
Comments: _____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: Pace TN	COMPANY: PACE TN	PHONE: (800) 767-5859	FAX: (615) 758-5859
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Mt. Juliet, TN 37122			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
14	2204844-014B	BH22-05 1'	4OZGU	Soil	4/17/2022 7:25:00 AM	1	5 DAY TAT, Triethyleneglycol	L148419-14
15	2204844-015B	BH22-05 4'	4OZGU	Soil	4/17/2022 7:30:00 AM	1	5 DAY TAT, Triethyleneglycol	15
16	2204844-016B	BH22-06 0'	4OZGU	Soil	4/17/2022 7:55:00 AM	1	5 DAY TAT, Triethyleneglycol	16
17	2204844-017B	BH22-06 1'	4OZGU	Soil	4/17/2022 7:55:00 AM	1	5 DAY TAT, Triethyleneglycol	17
18	2204844-018B	BH22-06 4'	4OZGU	Soil	4/17/2022 8:00:00 AM	1	5 DAY TAT, Triethyleneglycol	18
19	2204844-019B	BH22-07 0'	4OZGU	Soil	4/17/2022 8:25:00 AM	1	5 DAY TAT, Triethyleneglycol	19
20	2204844-020B	BH22-07 1'	4OZGU	Soil	4/17/2022 8:25:00 AM	1	5 DAY TAT, Triethyleneglycol	20
21	2204844-021B	BH22-07 4'	4OZGU	Soil	4/17/2022 8:30:00 AM	1	5 DAY TAT, Triethyleneglycol	21

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	4/20/2022	10:31 AM		4/21/2022	0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

LELAP CERTIFICATE NUMBER: 01955
DOD-ELAP ACCREDITATION NUMBER: 74960

ANALYTICAL RESULTS

PERFORMED BY

Pace Analytical Gulf Coast
7979 Innovation Park Dr.
Baton Rouge, LA 70820
(225) 769-4900

Report Date 04/28/2022

Report # 222042306

Project WG1852399 L1484919

Samples Collected 4/16/22

Deliver To	***Additional Recipients***
John Hawkins	SuboutTeam, Pace Analytical Services
Pace Analytical Services, Inc.	Jimmy Huckaba, Pace Analytical Services, Inc.
12065 Lebanon Road	Angela Ford, Pace Analytical Services, Inc.
Mount Juliet, TN 37122	

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with Pace Gulf Coast's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

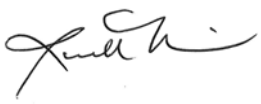
J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*****	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	Organics - The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
L	Reporting Limits adjusted to meet risk-based limit.
P	RPD between primary and confirmation result is greater than 40
DL	Diluted analysis – when appended to Client Sample ID

Sample receipt at Pace Gulf Coast is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of Pace Gulf Coast. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with The NELAC Institute (TNI) Standard 2009 and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.



Authorized Signature
Pace Gulf Coast Report 222042306

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Certifications

Certification	Certification Number
DOD ELAP	74960
Alabama	01955
Arkansas	88-0655
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
Washington	C929
USDA Soil Permit	P330-16-00234

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Case Narrative

Client: Pace Analytical Services **Report:** 222042306

Pace Analytical Gulf Coast received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Summary

Lab ID	Client ID	Matrix	Collect Date	Receive Date
22204230601	2204844-001B	Solid	4/16/22 09:40	4/22/22 09:30
22204230602	2204844-002B	Solid	4/16/22 09:40	4/22/22 09:30
22204230603	2204844-003B	Solid	4/16/22 09:40	4/22/22 09:30
22204230604	2204844-004B	Solid	4/16/22 09:40	4/22/22 09:30
22204230605	2204844-005B	Solid	4/16/22 09:40	4/22/22 09:30
22204230606	2204844-006B	Solid	4/16/22 09:40	4/22/22 09:30
22204230607	2204844-007B	Solid	4/16/22 09:40	4/22/22 09:30
22204230608	2204844-008B	Solid	4/16/22 09:40	4/22/22 09:30
22204230609	2204844-009B	Solid	4/16/22 09:40	4/22/22 09:30
22204230610	2204844-010B	Solid	4/16/22 09:40	4/22/22 09:30
22204230611	2204844-011B	Solid	4/16/22 09:40	4/22/22 09:30
22204230612	2204844-012B	Solid	4/16/22 09:40	4/22/22 09:30
22204230613	2204844-013B	Solid	4/16/22 09:40	4/22/22 09:30
22204230614	2204844-014B	Solid	4/16/22 09:40	4/22/22 09:30
22204230615	2204844-015B	Solid	4/16/22 09:40	4/22/22 09:30
22204230616	2204844-016B	Solid	4/16/22 09:40	4/22/22 09:30
22204230617	2204844-017B	Solid	4/16/22 09:40	4/22/22 09:30
22204230618	2204844-018B	Solid	4/16/22 09:40	4/22/22 09:30
22204230619	2204844-019B	Solid	4/16/22 09:40	4/22/22 09:30
22204230620	2204844-020B	Solid	4/16/22 09:40	4/22/22 09:30
22204230621	2204844-021B	Solid	4/16/22 09:40	4/22/22 09:30

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Detect Summary

Results and Detection Limits are adjusted for dilution and moisture when applicable

EPA 8015C						
Lab ID	**Client ID**	**Parameter**	**Units**	**Result**	**Dil.**	**%Moist**
22204230601	2204844-001B	Triethylene Glycol	ug/Kg	121000000	500	6.36
22204230602	2204844-002B	Triethylene Glycol	ug/Kg	8270000	100	1.42
22204230603	2204844-003B	Triethylene Glycol	ug/Kg	571000	10	2.52
22204230604	2204844-004B	Triethylene Glycol	ug/Kg	92900000	500	5.98
22204230605	2204844-005B	Triethylene Glycol	ug/Kg	581000	10	1.59
22204230606	2204844-006B	Triethylene Glycol	ug/Kg	34100	1	2.45
22204230607	2204844-007B	Triethylene Glycol	ug/Kg	98900000	500	5.04
22204230608	2204844-008B	Triethylene Glycol	ug/Kg	1310000	50	.99
22204230609	2204844-009B	Triethylene Glycol	ug/Kg	319000	10	2.47
22204230610	2204844-010B	Triethylene Glycol	ug/Kg	74400	1	.56
22204230611	2204844-011B	Triethylene Glycol	ug/Kg	14900	1	1.63
22204230613	2204844-013B	Triethylene Glycol	ug/Kg	34800	1	2.02
22204230620	2204844-020B	Triethylene Glycol	ug/Kg	8860	1	.95

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-001B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230601
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	500	04/28/22 10:53	739343	ARW	6.36

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	121000000	2670000	ug/Kg

2204844-002B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230602
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	100	04/28/22 11:06	739343	ARW	1.42

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	8270000	507000	ug/Kg

2204844-003B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230603
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	10	04/28/22 11:15	739343	ARW	2.52

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	571000	51300	ug/Kg

2204844-004B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230604
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	500	04/28/22 11:25	739343	ARW	5.98

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	92900000	2660000	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-005B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230605
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	10	04/28/22 12:02	739343	ARW	1.59

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	581000	50800	ug/Kg

2204844-006B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230606
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 10:09	739343	ARW	2.45

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	34100	5130	ug/Kg

2204844-007B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230607
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	500	04/28/22 11:51	739343	ARW	5.04

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	98900000	2630000	ug/Kg

2204844-008B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230608
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	50	04/28/22 11:43	739343	ARW	.99

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	1310000	252000	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-009B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230609
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	10	04/28/22 11:34	739343	ARW	2.47

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**319000**	**51300**	ug/Kg

2204844-010B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230610
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 10:19	739343	ARW	.56

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**74400**	**5030**	ug/Kg

2204844-011B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230611
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 10:28	739343	ARW	1.63

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**14900**	**5080**	ug/Kg

2204844-012B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230612
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 10:37	739343	ARW	3.22

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5170	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-013B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230613
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 13:38	739659	ARW	2.02

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**34800**	**5100**	ug/Kg

2204844-014B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230614
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 15:11	739659	ARW	1.63

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5080	ug/Kg

2204844-015B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230615
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 13:57	739659	ARW	1.57

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5080	ug/Kg

2204844-016B

Collect Date 04/16/2022 09:40 **Lab ID** 22204230616
Receive Date 04/22/2022 09:30 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:06	739659	ARW	3.43

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5180	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-017B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230617
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:15	739659	ARW	1.35

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5070	ug/Kg

2204844-018B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230618
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:24	739659	ARW	2.5

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5130	ug/Kg

2204844-019B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230619
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:34	739659	ARW	1.91

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5100	ug/Kg

2204844-020B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230620
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:43	739659	ARW	.95

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**8860**	**5050**	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

Sample Results

2204844-021B

Collect Date	04/16/2022 09:40	**Lab ID**	22204230621
Receive Date	04/22/2022 09:30	**Matrix**	Solid

EPA 8015C

*Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	04/28/22 14:51	739659	ARW	2.42

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5120	ug/Kg

Pace Analytical

Report#: 222042306
Project ID: WG1852399 L1484919 **Report Date:** 04/28/2022

GC Semi-Volatiles QC Summary

Analytical Batch 739343	Client ID	MB739343		LCS739343				LCSD739343				
	Lab ID	2337650		2337651				2338593				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/28/22 10:00		04/28/22 09:26				04/28/22 09:36				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	ND	5000	62500	65900	105	40 - 140	62500	49700	80	28	40

Analytical Batch 739659	Client ID	MB739659		LCS739659				LCSD739659				
	Lab ID	2339442		2339443				2339444				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/28/22 13:29		04/28/22 12:58				04/28/22 13:07				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	ND	5000	62500	54500	87	40 - 140	62500	51700	83	5	40

Client ID: 4367 - Pace Analytical Services
SDG: 222042306
PM: RWe

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fi

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Pace Analytical	Report To:	Pace Analytical Subout Team	Attention:	Andy Freeman
Address:	12065 Lebanon Rd	Copy To:		Company Name:	
Mt. Juliet, TN 37122				Address:	
Email:	MTJLSuboutTeam@pacelabs.com	Purchase Order #:	L1484919	Pace Quote:	
Phone:	(615) 773-9756 Fax (615) 758-5859	Project Name:		Pace Project Manager:	Ruth Welsh
Requested Due Date:	5-May	Project #:		Pace Profile #:	38076

Regulatory Agency	
State / Location	LA 70820, LA 70820

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Analyses Test: Triethylene Glycol	Residual Chlorine (Y/N)	
1	2204844-001B	SL				16-Apr	9:40		1	1									X		1
2	2204844-002B	SL				16-Apr	9:40		1	1									X		2
3	2204844-003B	SL				16-Apr	9:40		1	1									X		3
4	2204844-004B	SL				16-Apr	9:40		1	1									X		4
5	2204844-005B	SL				16-Apr	9:40		1	1									X		5
6	2204844-006B	SL				16-Apr	9:40		1	1									X		6
7	2204844-007B	SL				16-Apr	9:40		1	1									X		7
8	2204844-008B	SL				16-Apr	9:40		1	1									X		8
9	2204844-009B	SL				16-Apr	9:40		1	1									X		9
10	2204844-010B	SL				16-Apr	9:40		1	1									X		10
11	2204844-011B	SL				16-Apr	9:40		1	1									X		11
12	2204844-012B	SL				16-Apr	9:40		1	1									X		12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James C Huckaba	21-Apr	15:16				
Pace Analytical Batch: WG1852399	FedEx	4/22/21	9:30		4/22/21	9:30	3.7 E31
Pace Analytical SDGs: L1484919							
Location: Baton Rouge, LA 70820							

5719 6181 0120

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed:					

Client ID: 4367 - Pace Analytical Services
SDG: 222042306
PM: RWe

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Pace Analytical	Report To:	Pace Analytical Subout Team	Attention:	Andy Freeman
Address:	12065 Lebanon Rd.	Copy To:		Company Name:	
Mt. Juliet, TN 37122				Address:	
Email:	MTJLSuboutTeam@pacelabs.com	Purchase Order #:	L1484919	Pace Quote:	
Phone:	(615) 773-9756 Fax (615) 758-5859	Project Name:		Pace Project Manager:	Ruth Welsh
Requested Due Date:	5-May	Project #:		Pace Profile #:	38076

Regulatory Agency
State / Location
LA 70820, LA 70820

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Triethylene Glycol	Residual Chlorine (Y/N)	
1	2204844-013B	SL				16-Apr	9:40		1	1									X		13
2	2204844-014B	SL				16-Apr	9:40		1	1									X		14
3	2204844-015B	SL				16-Apr	9:40		1	1									X		15
4	2204844-016B	SL				16-Apr	9:40		1	1									X		16
5	2204844-017B	SL				16-Apr	9:40		1	1									X		17
6	2204844-018B	SL				16-Apr	9:40		1	1									X		18
7	2204844-019B	SL				16-Apr	9:40		1	1									X		19
8	2204844-020B	SL				16-Apr	9:40		1	1									X		20
9	2204844-021B	SL				16-Apr	9:40		1	1									X		21
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James C Huckaba	21-Apr	15:16				
Pace Analytical Batch: WG1852399							
Pace Analytical SDGs: L1484919							
Location: Baton Rouge, LA 70820							

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed:				

Pace Analytical®

SAMPLE RECEIVING CHECKLIST

* 2 2 2 0 4 2 3 0 6 *

SAMPLE DELIVERY GROUP 222042306	
Client **PM** RWe 4367 - Pace Analytical Services	**Transport Method** FEDEX
Profile Number 297536	**Received By** Roberts, George S.
Line Item(s) 1 - Glycol - Soil	**Receive Date(s)** 04/22/22

CHECKLIST	YES	NO
Samples received with proper thermal preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
COC relinquished and complete (including sampleIDs, collect times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☑	☐
Preservative added to any containers?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by Pace Gulf Coast?	☑	☐

COOLERS

Airbill	Thermometer ID: E34	Temp °C
571961810120		3.7

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

Page 1 of 1

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**

03-May-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **MB-67027**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **67027**	RunNo: **87446**							
Prep Date: **4/22/2022**	Analysis Date: **4/22/2022**	SeqNo: **3094513**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67027**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **67027**	RunNo: **87446**							
Prep Date: **4/22/2022**	Analysis Date: **4/23/2022**	SeqNo: **3094514**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Sample ID: **MB-67043**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **67043**	RunNo: **87477**							
Prep Date: **4/25/2022**	Analysis Date: **4/25/2022**	SeqNo: **3096784**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67043**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **67043**	RunNo: **87477**							
Prep Date: **4/25/2022**	Analysis Date: **4/25/2022**	SeqNo: **3096785**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**
03-May-22

Client: Devon Energy
Project: Falcon Compressor Station

Sample ID: **LCS-66957** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **66957** RunNo: **87442**
Prep Date: **4/20/2022** Analysis Date: **4/21/2022** SeqNo: **3093764** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.0	68.9	135			
Surr: DNOP	3.9		5.000		77.2	51.1	141			

Sample ID: **MB-66957** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **66957** RunNo: **87453**
Prep Date: **4/20/2022** Analysis Date: **4/22/2022** SeqNo: **3094095** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**
03-May-22

Client: Devon Energy
Project: Falcon Compressor Station

Sample ID: **mb-66955**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **66955**	RunNo: **87428**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3092876**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.8	37.7	212			

Sample ID: **lcs-66955**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **66955**	RunNo: **87428**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3092888**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		204	37.7	212			

Sample ID: **2204844-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH22-01 0'**	Batch ID: **66955**	RunNo: **87428**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3092908**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	47	25	24.83	19.98	107	70	130			
Surr: BFB	6100		4965		124	37.7	212			

Sample ID: **2204844-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH22-01 0'**	Batch ID: **66955**	RunNo: **87428**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3092917**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	42	25	24.58	19.98	88.9	70	130	10.7	20	
Surr: BFB	5900		4916		119	37.7	212	0	0	

Sample ID: **lcs-66961**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **66961**	RunNo: **87430**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093143**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	72.3	137			
Surr: BFB	2200		1000		222	37.7	212			S

Sample ID: **mb-66961**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **66961**	RunNo: **87430**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093144**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**
03-May-22

Client: Devon Energy
Project: Falcon Compressor Station

Sample ID: **mb-66961**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **66961**	RunNo: **87430**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093144**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Sample ID: **2204844-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH22-07 4'**	Batch ID: **66961**	RunNo: **87430**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093154**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	24.75	0	131	70	130			S
Surr: BFB	2400		990.1		246	37.7	212			S

Sample ID: **2204844-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH22-07 4'**	Batch ID: **66961**	RunNo: **87430**							
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093155**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.58	0	119	70	130	10.4	20	
Surr: BFB	2300		983.3		234	37.7	212	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**
03-May-22

Client: Devon Energy
Project: Falcon Compressor Station

Sample ID: **mb-66955**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66955**	RunNo: **87428**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093075** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	70	130			

Sample ID: **LCS-66955**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66955**	RunNo: **87428**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093076** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.9	80	120			
Toluene	0.88	0.050	1.000	0	88.0	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **2204844-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH22-01 1'**	Batch ID: **66955**	RunNo: **87428**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093079** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9775	0	91.2	68.8	120			
Toluene	0.95	0.049	0.9775	0.01255	95.7	73.6	124			
Ethylbenzene	0.97	0.049	0.9775	0	99.5	72.7	129			
Xylenes, Total	2.9	0.098	2.933	0.03073	98.7	75.7	126			
Surr: 4-Bromofluorobenzene	0.98		0.9775		99.8	70	130			

Sample ID: **2204844-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH22-01 1'**	Batch ID: **66955**	RunNo: **87428**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093080** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	0.9804	0	88.9	68.8	120	2.23	20	
Toluene	0.92	0.049	0.9804	0.01255	93.0	73.6	124	2.47	20	
Ethylbenzene	0.96	0.049	0.9804	0	98.0	72.7	129	1.28	20	
Xylenes, Total	2.9	0.098	2.941	0.03073	96.9	75.7	126	1.57	20	
Surr: 4-Bromofluorobenzene	0.98		0.9804		100	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204844**

03-May-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **lcs-66961**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66961**	RunNo: **87430**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093183** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.7	80	120			
Toluene	0.85	0.050	1.000	0	84.6	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.9	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.4	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	70	130			

Sample ID: **mb-66961**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66961**	RunNo: **87430**
Prep Date: **4/20/2022**	Analysis Date: **4/21/2022**	SeqNo: **3093184** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		83.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Devon Energy | Work Order Number: 2204844 | RcptNo: 1

Received By: Tracy Casarrubias 4/20/2022 7:40:00 AM

Completed By: Tracy Casarrubias 4/20/2022 8:24:10 AM

Reviewed By: DAD 4/20/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: CM 4/20/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good	Not Present			
2	3.4	Good	Not Present			

Chain-of-Custody Record

Client: Devon

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☒ Rush 5 Day

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: Monica Peppin

Sampler: L. Allman

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 5.2 +0.1 = 5.3 (°C)
3.3 +0.1 = 3.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2204844
4-16-22	09:40	Soil	BH22-01 0'	1 Jar		001
4-16-22	09:40	Soil	BH22-01 1'	1 Jar		002
4-16-22	09:45	Soil	BH22-01 4'	1 Jar		003
4-16-22	10:15	Soil	BH22-02 0'			004
4-16-22	10:15	Soil	BH22-02 1'			005
4-16-22	10:20	Soil	BH22-02 4'			006
4-16-22	10:30	Soil	BH22-03 0'			007
4-16-22	10:50	Soil	BH22-03 1'			008
4-16-22	11:00	Soil	BH22-03 4'			009
4-16-22	16:15	Soil	BH22-04 0'			010
4-16-22	16:15	Soil	BH22-04 1'			011
4-16-22	16:20	Soil	BH22-04 4'			012

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TEG (Triethylene glycol)
X	X					X				X
X	X					X				X
X	X					X				X

Date: 4-18-22 Time: 08:00 Relinquished by: Laura Allman

Date: Time: Relinquished by:

Received by: Via: Date: 4/19/22 Time: 800

Received by: Via: can Date: 4/20/22 Time: 7:40

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Devon

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☒ Rush 5 Day

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: Monica Peppin

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 5.2 +0.1 = 5.3 (°C)
3.3 +0.1 = 3.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TEG (triethylene glycol)
4-17-22	07:25	Soil	BH22-05 0'	1 Jar		013	X	X					X				X
4-17-22	07:25	Soil	BH22-05 1'	1 Jar		014	X	X					X				X
4-17-22	07:30	Soil	BH22-05 4'	1 Jar		015	X	X					X				X
	07:55		BH22-06 0'			016											
	07:55		BH22-06 1'			017											
	08:00		BH22-06 4'			018											
	08:25		BH22-07 0'			019											
	08:25		BH22-07 1'			020											
	08:30		BH22-07 4'			021											

Analysis Request

Remarks:

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4-19-22	08:00	Ian Pullman			4/19/22	800
4/19/22	1900			Courier	4/20/22	7:40

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 18, 2022

Kent Stallings

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Falcon Compressor Station OrderNo.: 2208801

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/12/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS22-11
Project: Falcon Compressor Station
Collection Date: 8/5/2022 9:30:00 AM
Lab ID: 2208801-001 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	55	15		mg/Kg	1	8/16/2022 9:09:47 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/16/2022 9:09:47 AM
Surr: DNOP	97.8	21-129		%Rec	1	8/16/2022 9:09:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2022 1:16:00 PM
Surr: BFB	108	37.7-212		%Rec	1	8/15/2022 1:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 1:16:00 PM
Toluene	ND	0.049		mg/Kg	1	8/15/2022 1:16:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2022 1:16:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2022 1:16:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/15/2022 1:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	61		mg/Kg	20	8/15/2022 8:33:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS22-12
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 9:35:00 AM
Lab ID: 2208801-002 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/16/2022 9:34:15 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/16/2022 9:34:15 AM
Surr: DNOP	92.6	21-129		%Rec	1	8/16/2022 9:34:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2022 2:15:00 PM
Surr: BFB	109	37.7-212		%Rec	1	8/15/2022 2:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 2:15:00 PM
Toluene	ND	0.049		mg/Kg	1	8/15/2022 2:15:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2022 2:15:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2022 2:15:00 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/15/2022 2:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 8:46:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS22-13
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 9:40:00 AM
Lab ID: 2208801-003 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/16/2022 9:58:29 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/16/2022 9:58:29 AM
Surr: DNOP	85.9	21-129		%Rec	1	8/16/2022 9:58:29 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2022 3:15:00 PM
Surr: BFB	98.3	37.7-212		%Rec	1	8/15/2022 3:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 3:15:00 PM
Toluene	ND	0.049		mg/Kg	1	8/15/2022 3:15:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2022 3:15:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	8/15/2022 3:15:00 PM
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	8/15/2022 3:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 9:23:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS22-14
Project: Falcon Compressor Station
Collection Date: 8/5/2022 9:45:00 AM
Lab ID: 2208801-004 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 10:22:50 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/16/2022 10:22:50 AM
Surr: DNOP	82.1	21-129		%Rec	1	8/16/2022 10:22:50 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2022 3:34:00 PM
Surr: BFB	100	37.7-212		%Rec	1	8/15/2022 3:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/15/2022 3:34:00 PM
Toluene	ND	0.048		mg/Kg	1	8/15/2022 3:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2022 3:34:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/15/2022 3:34:00 PM
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	8/15/2022 3:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 9:35:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS22-15
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 9:50:00 AM
Lab ID: 2208801-005 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 10:47:00 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/16/2022 10:47:00 AM
Surr: DNOP	85.3	21-129		%Rec	1	8/16/2022 10:47:00 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2022 3:54:00 PM
Surr: BFB	100	37.7-212		%Rec	1	8/15/2022 3:54:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/15/2022 3:54:00 PM
Toluene	ND	0.048		mg/Kg	1	8/15/2022 3:54:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2022 3:54:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	8/15/2022 3:54:00 PM
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	8/15/2022 3:54:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 9:48:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-09
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 9:55:00 AM
Lab ID: 2208801-006 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 11:11:24 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/16/2022 11:11:24 AM
Surr: DNOP	82.3	21-129		%Rec	1	8/16/2022 11:11:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2022 4:14:00 PM
Surr: BFB	103	37.7-212		%Rec	1	8/15/2022 4:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 4:14:00 PM
Toluene	ND	0.049		mg/Kg	1	8/15/2022 4:14:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2022 4:14:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	8/15/2022 4:14:00 PM
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	8/15/2022 4:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 10:00:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-10
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 10:00:00 AM
Lab ID: 2208801-007 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/16/2022 11:35:44 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/16/2022 11:35:44 AM
Surr: DNOP	88.5	21-129		%Rec	1	8/16/2022 11:35:44 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/15/2022 4:34:00 PM
Surr: BFB	106	37.7-212		%Rec	1	8/15/2022 4:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/15/2022 4:34:00 PM
Toluene	ND	0.047		mg/Kg	1	8/15/2022 4:34:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/15/2022 4:34:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/15/2022 4:34:00 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/15/2022 4:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 10:12:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-11
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 10:05:00 AM
Lab ID: 2208801-008 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 12:00:15 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/16/2022 12:00:15 PM
Surr: DNOP	93.4	21-129		%Rec	1	8/16/2022 12:00:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/15/2022 4:54:00 PM
Surr: BFB	105	37.7-212		%Rec	1	8/15/2022 4:54:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 4:54:00 PM
Toluene	ND	0.050		mg/Kg	1	8/15/2022 4:54:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/15/2022 4:54:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2022 4:54:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/15/2022 4:54:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 10:25:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-12
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 10:10:00 AM
Lab ID: 2208801-009 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 12:24:46 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/16/2022 12:24:46 PM
Surr: DNOP	92.1	21-129		%Rec	1	8/16/2022 12:24:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/15/2022 5:14:00 PM
Surr: BFB	99.0	37.7-212		%Rec	1	8/15/2022 5:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 5:14:00 PM
Toluene	ND	0.050		mg/Kg	1	8/15/2022 5:14:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/15/2022 5:14:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2022 5:14:00 PM
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	8/15/2022 5:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 10:37:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-13
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 10:15:00 AM
Lab ID: 2208801-010 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/16/2022 12:49:22 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/16/2022 12:49:22 PM
Surr: DNOP	91.0	21-129		%Rec	1	8/16/2022 12:49:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/15/2022 5:34:00 PM
Surr: BFB	102	37.7-212		%Rec	1	8/15/2022 5:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/15/2022 5:34:00 PM
Toluene	ND	0.050		mg/Kg	1	8/15/2022 5:34:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/15/2022 5:34:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/15/2022 5:34:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/15/2022 5:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	59		mg/Kg	20	8/15/2022 10:49:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208801**
Date Reported: **8/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS22-14
Project: Falcon Compressor Station **Collection Date:** 8/5/2022 10:20:00 AM
Lab ID: 2208801-011 **Matrix:** SOIL **Received Date:** 8/12/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/16/2022 1:13:47 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/16/2022 1:13:47 PM
Surr: DNOP	94.7	21-129		%Rec	1	8/16/2022 1:13:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/15/2022 6:13:00 PM
Surr: BFB	105	37.7-212		%Rec	1	8/15/2022 6:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/15/2022 6:13:00 PM
Toluene	ND	0.047		mg/Kg	1	8/15/2022 6:13:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/15/2022 6:13:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	8/15/2022 6:13:00 PM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	8/15/2022 6:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/15/2022 11:02:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208801**

18-Aug-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **MB-69500**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **69500**	RunNo: **90282**
Prep Date: **8/15/2022**	Analysis Date: **8/15/2022**	SeqNo: **3220689** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-69500**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **69500**	RunNo: **90282**
Prep Date: **8/15/2022**	Analysis Date: **8/15/2022**	SeqNo: **3220690** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208801**

18-Aug-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **MB-69473**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69473**	RunNo: **90276**
Prep Date: **8/12/2022**	Analysis Date: **8/16/2022**	SeqNo: **3221171** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.1	21	129			

Sample ID: **LCS-69473**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69473**	RunNo: **90276**
Prep Date: **8/12/2022**	Analysis Date: **8/16/2022**	SeqNo: **3221173** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.6	21	129			

Sample ID: **MB-69507**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69507**	RunNo: **90304**
Prep Date: **8/15/2022**	Analysis Date: **8/16/2022**	SeqNo: **3221327** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.0	21	129			

Sample ID: **LCS-69507**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69507**	RunNo: **90304**
Prep Date: **8/15/2022**	Analysis Date: **8/16/2022**	SeqNo: **3221328** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.00	0	86.2	64.4	127			
Surr: DNOP	4.2		5.000		84.1	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208801**

18-Aug-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **lcs-69476**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221639** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: **mb-69476**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221640** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	37.7	212			

Sample ID: **2208801-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-11**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221642** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.04	0	97.4	70	130			
Surr: BFB	2100		961.5		215	37.7	212			S

Sample ID: **2208801-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-11**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221643** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.83	0	101	70	130	2.29	20	
Surr: BFB	2200		953.3		229	37.7	212	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208801**

18-Aug-22

Client: Vertex Resources Services, Inc.

Project: Falcon Compressor Station

Sample ID: **lcs-69476**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221663** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.2	80	120			
Toluene	0.92	0.050	1.000	0	92.0	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: **mb-69476**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221664** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **2208801-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS22-12**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221667** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9653	0	90.1	68.8	120			
Toluene	0.90	0.048	0.9653	0	92.9	73.6	124			
Ethylbenzene	0.91	0.048	0.9653	0	94.3	72.7	129			
Xylenes, Total	2.7	0.097	2.896	0	94.6	75.7	126			
Surr: 4-Bromofluorobenzene	0.97		0.9653		101	70	130			

Sample ID: **2208801-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS22-12**	Batch ID: **69476**	RunNo: **90314**
Prep Date: **8/12/2022**	Analysis Date: **8/15/2022**	SeqNo: **3221668** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.024	0.9597	0	84.4	68.8	120	7.08	20	
Toluene	0.83	0.048	0.9597	0	86.3	73.6	124	8.03	20	
Ethylbenzene	0.85	0.048	0.9597	0	88.5	72.7	129	6.90	20	
Xylenes, Total	2.5	0.096	2.879	0	88.5	75.7	126	7.22	20	
Surr: 4-Bromofluorobenzene	0.98		0.9597		102	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Vertex Resources Services, Inc.** Work Order Number: **2208801** RcptNo: 1

Received By: **Juan Rojas** **8/12/2022 7:20:00 AM**

Completed By: **Cheyenne Cason** **8/12/2022 8:00:37 AM**

Reviewed By: TMC 8/12/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: TMC 8/12/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Not Present			

Chain-of-Custody Record

Client: Pevon/Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 2-Day

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: K. Stallings

Sampler: M. Wier

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.5-0=0.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208801	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8-5-22	9:30	Soil	BS22-11	4oz	ice	001	X	X								
	9:35		BS22-12			002										
	9:40		BS22-13			003										
	9:45		BS22-14			004										
	9:50		BS22-15			005										
	9:55		WS22-09			006										
	10:00		WS22-10			007										
	10:05		WS22-11			008										
	10:10		WS22-12			009										
	10:15		WS22-13			010										
	10:20		WS22-14	2	2	011	2	2					2			
	10:25		WS22-15			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8-10-22	[redacted]	M'Kitric Wier			8/11/22	1145
8/11/22	1900				8/12/22	7:20

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 26, 2022

Kent Stallings

Devon Energy
6488 Seven Rivers Highway
Artesia, NM 88210
TEL: (505) 350-1336
FAX:

RE: Falcon Compressor Station OrderNo.: 2208690

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 18 sample(s) on 8/11/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-001 **Matrix:** SOIL

Client Sample ID: BS22-01 2'
Collection Date: 8/5/2022 9:30:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	77	14		mg/Kg	1	8/12/2022 11:44:06 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/12/2022 11:44:06 AM
Surr: DNOP	104	21-129		%Rec	1	8/12/2022 11:44:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2022 5:16:00 PM
Surr: BFB	88.1	37.7-212		%Rec	1	8/12/2022 5:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 5:16:00 PM
Toluene	ND	0.047		mg/Kg	1	8/12/2022 5:16:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2022 5:16:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2022 5:16:00 PM
Surr: 4-Bromofluorobenzene	78.2	70-130		%Rec	1	8/12/2022 5:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/13/2022 3:48:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-002 **Matrix:** SOIL

Client Sample ID: BS22-02 2'
Collection Date: 8/5/2022 9:35:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	4700	150		mg/Kg	10	8/15/2022 3:31:44 PM
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	8/15/2022 3:31:44 PM
Surr: DNOP	0	21-129	S	%Rec	10	8/15/2022 3:31:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2022 6:16:00 PM
Surr: BFB	86.1	37.7-212		%Rec	1	8/12/2022 6:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 6:16:00 PM
Toluene	ND	0.050		mg/Kg	1	8/12/2022 6:16:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2022 6:16:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/12/2022 6:16:00 PM
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	8/12/2022 6:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	130	60		mg/Kg	20	8/13/2022 4:50:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-003 **Matrix:** SOIL

Client Sample ID: BS22-03 2'
Collection Date: 8/5/2022 9:40:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/12/2022 8:21:39 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/12/2022 8:21:39 PM
Surr: DNOP	92.4	21-129		%Rec	1	8/12/2022 8:21:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/12/2022 7:15:00 PM
Surr: BFB	84.9	37.7-212		%Rec	1	8/12/2022 7:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 7:15:00 PM
Toluene	ND	0.049		mg/Kg	1	8/12/2022 7:15:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/12/2022 7:15:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/12/2022 7:15:00 PM
Surr: 4-Bromofluorobenzene	76.2	70-130		%Rec	1	8/12/2022 7:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	8/13/2022 5:02:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-004 **Matrix:** SOIL

Client Sample ID: BS22-04 2'
Collection Date: 8/5/2022 9:45:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	3100	140		mg/Kg	10	8/13/2022 2:41:15 PM
Motor Oil Range Organics (MRO)	ND	470	D	mg/Kg	10	8/13/2022 2:41:15 PM
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 2:41:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 7:35:00 PM
Surr: BFB	84.1	37.7-212		%Rec	1	8/12/2022 7:35:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 7:35:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 7:35:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 7:35:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	8/12/2022 7:35:00 PM
Surr: 4-Bromofluorobenzene	77.1	70-130		%Rec	1	8/12/2022 7:35:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	120	60		mg/Kg	20	8/13/2022 5:15:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-005 **Matrix:** SOIL

Client Sample ID: BS22-05 2'
Collection Date: 8/5/2022 9:50:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	320	14		mg/Kg	1	8/12/2022 9:59:20 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/12/2022 9:59:20 PM
Surr: DNOP	95.4	21-129		%Rec	1	8/12/2022 9:59:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2022 7:55:00 PM
Surr: BFB	85.9	37.7-212		%Rec	1	8/12/2022 7:55:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 7:55:00 PM
Toluene	ND	0.050		mg/Kg	1	8/12/2022 7:55:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2022 7:55:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/12/2022 7:55:00 PM
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	8/12/2022 7:55:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	59		mg/Kg	20	8/13/2022 5:27:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-006 **Matrix:** SOIL

Client Sample ID: BS22-06 2'
Collection Date: 8/5/2022 9:55:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	1000	150		mg/Kg	10	8/13/2022 3:05:44 PM
Motor Oil Range Organics (MRO)	ND	490	D	mg/Kg	10	8/13/2022 3:05:44 PM
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 3:05:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/12/2022 8:14:00 PM
Surr: BFB	86.4	37.7-212		%Rec	1	8/12/2022 8:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 8:14:00 PM
Toluene	ND	0.049		mg/Kg	1	8/12/2022 8:14:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	8/12/2022 8:14:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	8/12/2022 8:14:00 PM
Surr: 4-Bromofluorobenzene	79.1	70-130		%Rec	1	8/12/2022 8:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	170	60		mg/Kg	20	8/13/2022 6:12:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-007 **Matrix:** SOIL

Client Sample ID: BS22-07 2'
Collection Date: 8/5/2022 10:00:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	1100	140		mg/Kg	10	8/13/2022 3:30:17 PM
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	8/13/2022 3:30:17 PM
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 3:30:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 8:34:00 PM
Surr: BFB	87.8	37.7-212		%Rec	1	8/12/2022 8:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 8:34:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 8:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 8:34:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	8/12/2022 8:34:00 PM
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	8/12/2022 8:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	110	60		mg/Kg	20	8/13/2022 7:14:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-008 **Matrix:** SOIL

Client Sample ID: BS22-08 2'
Collection Date: 8/5/2022 10:05:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	1400	150		mg/Kg	10	8/13/2022 3:54:46 PM
Motor Oil Range Organics (MRO)	ND	500	D	mg/Kg	10	8/13/2022 3:54:46 PM
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 3:54:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 8:54:00 PM
Surr: BFB	83.2	37.7-212		%Rec	1	8/12/2022 8:54:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 8:54:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 8:54:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 8:54:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	8/12/2022 8:54:00 PM
Surr: 4-Bromofluorobenzene	74.4	70-130		%Rec	1	8/12/2022 8:54:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	160	60		mg/Kg	20	8/13/2022 7:27:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-009 **Matrix:** SOIL

Client Sample ID: BS22-09 2'
Collection Date: 8/5/2022 10:10:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/12/2022 11:37:53 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/12/2022 11:37:53 PM
Surr: DNOP	95.8	21-129		%Rec	1	8/12/2022 11:37:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2022 9:14:00 PM
Surr: BFB	85.2	37.7-212		%Rec	1	8/12/2022 9:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 9:14:00 PM
Toluene	ND	0.050		mg/Kg	1	8/12/2022 9:14:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2022 9:14:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/12/2022 9:14:00 PM
Surr: 4-Bromofluorobenzene	77.1	70-130		%Rec	1	8/12/2022 9:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 7:39:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-010 **Matrix:** SOIL

Client Sample ID: BS22-10 2'
Collection Date: 8/5/2022 10:15:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	80	15		mg/Kg	1	8/13/2022 12:27:05 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/13/2022 12:27:05 AM
Surr: DNOP	99.3	21-129		%Rec	1	8/13/2022 12:27:05 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2022 9:33:00 PM
Surr: BFB	87.1	37.7-212		%Rec	1	8/12/2022 9:33:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 9:33:00 PM
Toluene	ND	0.050		mg/Kg	1	8/12/2022 9:33:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2022 9:33:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	8/12/2022 9:33:00 PM
Surr: 4-Bromofluorobenzene	79.0	70-130		%Rec	1	8/12/2022 9:33:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 7:51:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-011 **Matrix:** SOIL

Client Sample ID: WS22-01 0-2'
Collection Date: 8/5/2022 10:45:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/13/2022 12:51:40 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/13/2022 12:51:40 AM
Surr: DNOP	92.7	21-129		%Rec	1	8/13/2022 12:51:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 10:13:00 PM
Surr: BFB	91.6	37.7-212		%Rec	1	8/12/2022 10:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 10:13:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 10:13:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 10:13:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2022 10:13:00 PM
Surr: 4-Bromofluorobenzene	81.9	70-130		%Rec	1	8/12/2022 10:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 8:04:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-012 **Matrix:** SOIL

Client Sample ID: WS22-02 0-2'
Collection Date: 8/5/2022 10:50:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/13/2022 1:16:18 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/13/2022 1:16:18 AM
Surr: DNOP	90.3	21-129		%Rec	1	8/13/2022 1:16:18 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2022 10:33:00 PM
Surr: BFB	91.5	37.7-212		%Rec	1	8/12/2022 10:33:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.025		mg/Kg	1	8/12/2022 10:33:00 PM
Toluene	ND	0.050		mg/Kg	1	8/12/2022 10:33:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2022 10:33:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/12/2022 10:33:00 PM
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	8/12/2022 10:33:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 8:16:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-013 **Matrix:** SOIL

Client Sample ID: WS22-03 0-2'
Collection Date: 8/5/2022 10:55:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/13/2022 1:40:59 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/13/2022 1:40:59 AM
Surr: DNOP	84.1	21-129		%Rec	1	8/13/2022 1:40:59 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2022 10:52:00 PM
Surr: BFB	91.1	37.7-212		%Rec	1	8/12/2022 10:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.023		mg/Kg	1	8/12/2022 10:52:00 PM
Toluene	ND	0.047		mg/Kg	1	8/12/2022 10:52:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2022 10:52:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	8/12/2022 10:52:00 PM
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	8/12/2022 10:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 8:29:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-014 **Matrix:** SOIL

Client Sample ID: WS22-04 0-2'
Collection Date: 8/5/2022 11:00:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/13/2022 2:05:37 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/13/2022 2:05:37 AM
Surr: DNOP	80.6	21-129		%Rec	1	8/13/2022 2:05:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 11:12:00 PM
Surr: BFB	90.8	37.7-212		%Rec	1	8/12/2022 11:12:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 11:12:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 11:12:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 11:12:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	8/12/2022 11:12:00 PM
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	8/12/2022 11:12:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 8:41:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-015 **Matrix:** SOIL

Client Sample ID: WS22-05 0-2'
Collection Date: 8/5/2022 11:05:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/13/2022 2:30:14 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/13/2022 2:30:14 AM
Surr: DNOP	83.6	21-129		%Rec	1	8/13/2022 2:30:14 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 11:32:00 PM
Surr: BFB	87.0	37.7-212		%Rec	1	8/12/2022 11:32:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 11:32:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 11:32:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 11:32:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	8/12/2022 11:32:00 PM
Surr: 4-Bromofluorobenzene	78.6	70-130		%Rec	1	8/12/2022 11:32:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 9:18:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-016 **Matrix:** SOIL

Client Sample ID: WS22-06 0-2'
Collection Date: 8/5/2022 11:10:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/13/2022 2:54:54 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/13/2022 2:54:54 AM
Surr: DNOP	86.6	21-129		%Rec	1	8/13/2022 2:54:54 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2022 11:51:00 PM
Surr: BFB	92.1	37.7-212		%Rec	1	8/12/2022 11:51:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/12/2022 11:51:00 PM
Toluene	ND	0.048		mg/Kg	1	8/12/2022 11:51:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2022 11:51:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2022 11:51:00 PM
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	8/12/2022 11:51:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 9:31:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-017 **Matrix:** SOIL

Client Sample ID: WS22-07 0-2'
Collection Date: 8/5/2022 11:15:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/13/2022 3:19:31 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/13/2022 3:19:31 AM
Surr: DNOP	84.8	21-129		%Rec	1	8/13/2022 3:19:31 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/13/2022 12:11:00 AM
Surr: BFB	87.5	37.7-212		%Rec	1	8/13/2022 12:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.024		mg/Kg	1	8/13/2022 12:11:00 AM
Toluene	ND	0.049		mg/Kg	1	8/13/2022 12:11:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	8/13/2022 12:11:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	8/13/2022 12:11:00 AM
Surr: 4-Bromofluorobenzene	81.5	70-130		%Rec	1	8/13/2022 12:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 9:43:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2208690**
Date Reported: **8/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2208690-018 **Matrix:** SOIL

Client Sample ID: WS22-08 0-2'
Collection Date: 8/5/2022 11:20:00 AM
Received Date: 8/11/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/13/2022 3:44:02 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/13/2022 3:44:02 AM
Surr: DNOP	86.7	21-129		%Rec	1	8/13/2022 3:44:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2022 12:31:00 AM
Surr: BFB	91.7	37.7-212		%Rec	1	8/13/2022 12:31:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**
Benzene	ND	0.023		mg/Kg	1	8/13/2022 12:31:00 AM
Toluene	ND	0.047		mg/Kg	1	8/13/2022 12:31:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2022 12:31:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	8/13/2022 12:31:00 AM
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	8/13/2022 12:31:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	8/13/2022 9:56:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Pace Analytical®

ANALYTICAL REPORT

August 25, 2022

Hall Environmental Analysis Laboratory

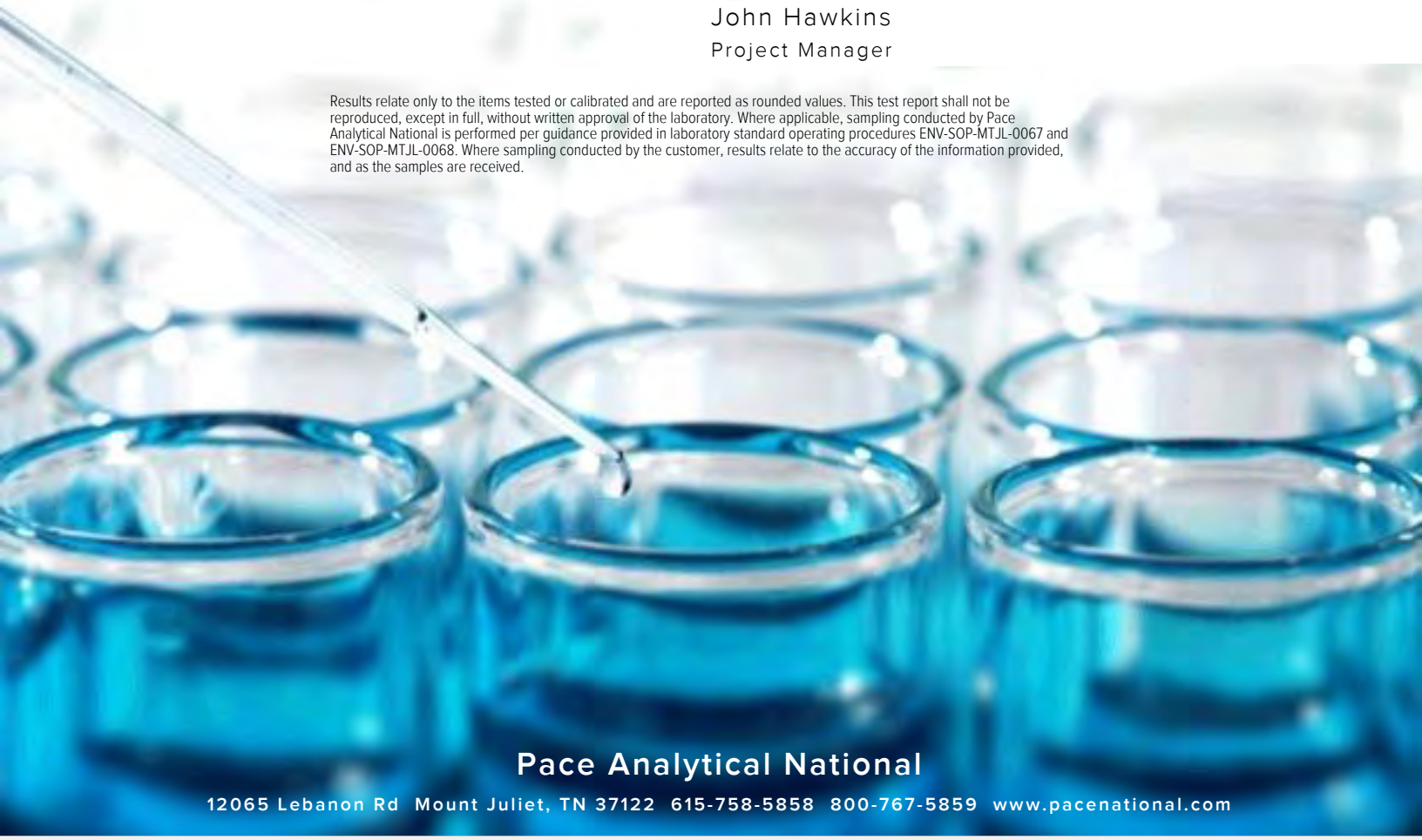
Sample Delivery Group:	L1524698
Samples Received:	08/12/2022
Project Number:	
Description:	

Report To: Andy Freeman
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:

John Hawkins
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in 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

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2208690-001B BS22-01 2' L1524698-01 Solid

Collected by | Collected date/time 08/05/22 09:30 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-002B BS22-02 2' L1524698-02 Solid

Collected by | Collected date/time 08/05/22 09:35 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-003B BS22-03 2' L1524698-03 Solid

Collected by | Collected date/time 08/05/22 09:40 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-004B BS22-04 2' L1524698-04 Solid

Collected by | Collected date/time 08/05/22 09:45 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-005B BS22-05 2' L1524698-05 Solid

Collected by | Collected date/time 08/05/22 09:50 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-006B BS22-06 2' L1524698-06 Solid

Collected by | Collected date/time 08/05/22 09:55 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-007B BS22-07 2' L1524698-07 Solid

Collected by | Collected date/time 08/05/22 10:00 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-008B BS22-08 2' L1524698-08 Solid

Collected by | Collected date/time 08/05/22 10:05 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-009B BS22-09 2' L1524698-09 Solid

Collected by | Collected date/time 08/05/22 10:10 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-01B BS22-10 2' L1524698-10 Solid

Collected by | Collected date/time 08/05/22 10:15 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-011B WS22-01 0-2' L1524698-11 Solid

Collected by | Collected date/time 08/05/22 10:45 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-012B WS22-02 0-2' L1524698-12 Solid

Collected by | Collected date/time 08/05/22 10:50 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-013B WS22-03 0-2' L1524698-13 Solid

Collected by | Collected date/time 08/05/22 10:55 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-014B WS22-04 0-2' L1524698-14 Solid

Collected by | Collected date/time 08/05/22 11:00 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-015B WS22-05 0-2' L1524698-15 Solid

Collected by | Collected date/time 08/05/22 11:05 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-016B WS22-06 0-2' L1524698-16 Solid

Collected by | Collected date/time 08/05/22 11:10 | Received date/time 08/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

SAMPLE SUMMARY

2208690-017B WS22-07 0-2' L1524698-17 Solid

			Collected by	Collected date/time	Received date/time	
				08/05/22 11:15	08/12/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

2208690-018B WS22-08 0-2' L1524698-18 Solid

			Collected by	Collected date/time	Received date/time	
				08/05/22 11:20	08/12/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1910174	1	08/25/22 00:00	08/25/22 00:00	-	Baton Rouge, LA 70820

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.

John Hawkins
Project Manager

Project Narrative

L1524698 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18 contains subout data that is included after the chain of custody.

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

SDG	Sample Delivery Group.
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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: Pace TN	COMPANY: PACE TN	PHONE: (800) 767-5859	FAX: (615) 758-5859
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Mt. Juliet, TN 37122			

1023 21524698

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
1	2208690-001B	BS22-01 2'	4OZGU	Soil	8/5/2022 9:30:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-01
2	2208690-002B	BS22-02 2'	4OZGU	Soil	8/5/2022 9:35:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-02
3	2208690-003B	BS22-03 2'	4OZGU	Soil	8/5/2022 9:40:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-03
4	2208690-004B	BS22-04 2'	4OZGU	Soil	8/5/2022 9:45:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-04
5	2208690-005B	BS22-05 2'	4OZGU	Soil	8/5/2022 9:50:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-05
6	2208690-006B	BS22-06 2'	4OZGU	Soil	8/5/2022 9:55:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-06
7	2208690-007B	BS22-07 2'	4OZGU	Soil	8/5/2022 10:00:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-07
8	2208690-008B	BS22-08 2'	4OZGU	Soil	8/5/2022 10:05:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-08
9	2208690-009B	BS22-09 2'	4OZGU	Soil	8/5/2022 10:10:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-09
10	2208690-010B	BS22-10 2'	4OZGU	Soil	8/5/2022 10:15:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-10
11	2208690-011B	WS22-01 0-2'	4OZGU	Soil	8/5/2022 10:45:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-11
12	2208690-012B	WS22-02 0-2'	4OZGU	Soil	8/5/2022 10:50:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-12
13	2208690-013B	WS22-03 0-2'	4OZGU	Soil	8/5/2022 10:55:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-13

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: Kylie Tallman	Date: 8/11/2022	Time: 3:09 PM	Received By:	Date:	Time:
Relinquished By:	Date: 8-12-22	Time: 900	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR:	Pace TN	COMPANY: PACE TN	PHONE: (800) 767-5859	FAX: (615) 758-5859	
ADDRESS:	12065 Lebanon Rd		ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP:	Mt. Juliet, TN 37122				

LIS 246 98

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
14	2208690-014B	WS22-04 0-2'	4OZGU	Soil	8/5/2022 11:00:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-14
15	2208690-015B	WS22-05 0-2'	4OZGU	Soil	8/5/2022 11:05:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-15
16	2208690-016B	WS22-06 0-2'	4OZGU	Soil	8/5/2022 11:10:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-16
17	2208690-017B	WS22-07 0-2'	4OZGU	Soil	8/5/2022 11:15:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-17
18	2208690-018B	WS22-08 0-2'	4OZGU	Soil	8/5/2022 11:20:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	-18

Temp -2.9 ±0 = 2.9

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 8/11/2022	Time: 3:09 PM	Received By: Kylie Tallman	Date: 8/12/22	Time: 0900
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ ℃ Attempt to Cool? _____

Comments: _____

LELAP Certificate Number: 01955
A2LA Accredited (DoD ELAP-QSM 5.4) Certificate Number: 6429.01

ANALYTICAL RESULTS

PERFORMED BY

Pace Analytical Gulf Coast
7979 Innovation Park Dr.
Baton Rouge, LA 70820
(225) 769-4900

Report Date 08/25/2022

Report # 222081611

Project WG1910174 L1524698

Samples Collected 8/5/22

Deliver To	*Additional Recipients*
John Hawkins	SuboutTeam, Pace Analytical Services
Pace Analytical Services, Inc.	Jimmy Huckaba, Pace Analytical Services, Inc.
12065 Lebanon Road	Angela Ford, Pace Analytical Services, Inc.
Mount Juliet, TN 37122	

A2LA ACCREDITED
CERT # 6429.01

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with Pace Gulf Coast's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

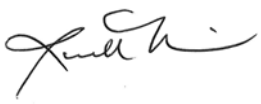
J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*****	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	Organics - The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
L	Reporting Limits adjusted to meet risk-based limit.
P	RPD between primary and confirmation result is greater than 40
DL	Diluted analysis – when appended to Client Sample ID

Sample receipt at Pace Gulf Coast is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of Pace Gulf Coast. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with The NELAC Institute (TNI) Standard 2009 and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.



Authorized Signature
Pace Gulf Coast Report 222081611

Certifications

Certification	Certification Number
A2LA Accredited (DoD ELAP-QSM 5.4)	6429.01
Alabama	01955
Arkansas	88-0655
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
Washington	C929
USDA Soil Permit	P330-16-00234

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Case Narrative

Client: Pace Analytical Services **Report:** 222081611

Pace Analytical Gulf Coast received and analyzed the sample(s) listed
on the Report Sample Summary page of this report. Receipt of the sample(s) is documented
by the attached chain of custody. This applies only to the sample(s) listed in this report.
No sample integrity or quality control exceptions were identified unless noted below.

COC ANOMALIES

COC Anomalies\Changes - The dry weight could not be performed for sample #3, there was insufficient volume present (Ruth Welsh(Do Not 08/25/2022 12:38)

MISCELLANEOUS

Sample 22208161103 (2208690-003B BS22-03 2') was received with a minimal volume of sample.

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Summary

Lab ID	Client ID	Matrix	Collect Date	Receive Date
22208161101	2208690-001B BS22-01 2'	Solid	8/05/22 09:30	8/16/22 10:10
22208161102	2208690-002B BS22-02 2'	Solid	8/05/22 09:35	8/16/22 10:10
22208161103	2208690-003B BS22-03 2'	Solid	8/05/22 09:40	8/16/22 10:10
22208161104	2208690-004B BS22-04 2'	Solid	8/05/22 09:45	8/16/22 10:10
22208161105	2208690-005B BS22-05 2'	Solid	8/05/22 09:50	8/16/22 10:10
22208161106	2208690-006B BS22-06 2'	Solid	8/05/22 09:55	8/16/22 10:10
22208161107	2208690-007B BS22-07 2'	Solid	8/05/22 10:00	8/16/22 10:10
22208161108	2208690-008B BS22-08 2'	Solid	8/05/22 10:05	8/16/22 10:10
22208161109	2208690-009B BS22-09 2'	Solid	8/05/22 10:10	8/16/22 10:10
22208161110	2208690-01B BS22-10 2'	Solid	8/05/22 10:15	8/16/22 10:10
22208161111	2208690-011B WS22-01 0-2'	Solid	8/05/22 10:45	8/16/22 10:10
22208161112	2208690-012B WS22-02 0-2'	Solid	8/05/22 10:50	8/16/22 10:10
22208161113	2208690-013B WS22-03 0-2'	Solid	8/05/22 10:55	8/16/22 10:10
22208161114	2208690-014B WS22-04 0-2'	Solid	8/05/22 11:00	8/16/22 10:10
22208161115	2208690-015B WS22-05 0-2'	Solid	8/05/22 11:05	8/16/22 10:10
22208161116	2208690-016B WS22-06 0-2'	Solid	8/05/22 11:10	8/16/22 10:10
22208161117	2208690-017B WS22-07 0-2'	Solid	8/05/22 11:15	8/16/22 10:10
22208161118	2208690-018B WS22-08 0-2'	Solid	8/05/22 11:20	8/16/22 10:10

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Detect Summary

Results and Detection Limits are adjusted for dilution and moisture when applicable

EPA 8015C

Lab ID	Client ID	Parameter	Units	Result	Dil.	%Moist
22208161101	2208690-001B BS22-01 2'	Triethylene Glycol	ug/Kg	559000	20	6.63
22208161102	2208690-002B BS22-02 2'	Triethylene Glycol	ug/Kg	29800000	200	2.81
22208161103	2208690-003B BS22-03 2'	Triethylene Glycol	ug/Kg	12400	1	NA
22208161104	2208690-004B BS22-04 2'	Triethylene Glycol	ug/Kg	31700000	200	2.7
22208161105	2208690-005B BS22-05 2'	Triethylene Glycol	ug/Kg	7780000	100	8.05
22208161106	2208690-006B BS22-06 2'	Triethylene Glycol	ug/Kg	16600000	100	5.56
22208161107	2208690-007B BS22-07 2'	Triethylene Glycol	ug/Kg	17000000	100	3.48
22208161108	2208690-008B BS22-08 2'	Triethylene Glycol	ug/Kg	16100000	100	3.96
22208161109	2208690-009B BS22-09 2'	Triethylene Glycol	ug/Kg	224000	1	6.51
22208161110	2208690-01B BS22-10 2'	Triethylene Glycol	ug/Kg	1630000	10	5.55
22208161111	2208690-011B WS22-01 0-2'	Triethylene Glycol	ug/Kg	7340	1	.49
22208161112	2208690-012B WS22-02 0-2'	Triethylene Glycol	ug/Kg	23200	1	.3
22208161114	2208690-014B WS22-04 0-2'	Triethylene Glycol	ug/Kg	5330	1	.3
22208161116	2208690-016B WS22-06 0-2'	Triethylene Glycol	ug/Kg	34500	1	1.07
22208161117	2208690-017B WS22-07 0-2'	Triethylene Glycol	ug/Kg	89400	1	.78
22208161118	2208690-018B WS22-08 0-2'	Triethylene Glycol	ug/Kg	5880	1	.45

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Results

2208690-001B BS22-01 2'

Collect Date 08/05/2022 09:30 **Lab ID** 22208161101
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	20	08/18/22 18:53	747812	EKR	6.63

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	559000	107000	ug/Kg

2208690-002B BS22-02 2'

Collect Date 08/05/2022 09:35 **Lab ID** 22208161102
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	200	08/18/22 19:02	747812	EKR	2.81

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	29800000	1030000	ug/Kg

2208690-003B BS22-03 2'

Collect Date 08/05/2022 09:40 **Lab ID** 22208161103
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 19:12	747812	EKR	NA

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	12400	5000	ug/Kg

2208690-004B BS22-04 2'

Collect Date 08/05/2022 09:45 **Lab ID** 22208161104
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	200	08/18/22 19:21	747812	EKR	2.7

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	31700000	1030000	ug/Kg

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Results

2208690-005B BS22-05 2'

Collect Date 08/05/2022 09:50 **Lab ID** 22208161105
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	100	08/18/22 19:30	747812	EKR	8.05

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	7780000	544000	ug/Kg

2208690-006B BS22-06 2'

Collect Date 08/05/2022 09:55 **Lab ID** 22208161106
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	100	08/18/22 19:40	747812	EKR	5.56

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	16600000	529000	ug/Kg

2208690-007B BS22-07 2'

Collect Date 08/05/2022 10:00 **Lab ID** 22208161107
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	100	08/18/22 19:49	747812	EKR	3.48

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	17000000	518000	ug/Kg

2208690-008B BS22-08 2'

Collect Date 08/05/2022 10:05 **Lab ID** 22208161108
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	100	08/18/22 19:58	747812	EKR	3.96

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	16100000	521000	ug/Kg

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Results

2208690-009B BS22-09 2'

Collect Date	08/05/2022 10:10	**Lab ID**	22208161109
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 20:08	747812	EKR	6.51

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	224000	5350	ug/Kg

2208690-01B BS22-10 2'

Collect Date	08/05/2022 10:15	**Lab ID**	22208161110
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits are adjusted for dilution and moisture content.

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	10	08/18/22 20:17	747812	EKR	5.55

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	1630000	52900	ug/Kg

2208690-011B WS22-01 0-2'

Collect Date	08/05/2022 10:45	**Lab ID**	22208161111
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 15:43	747812	EKR	.49

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	7340	5020	ug/Kg

2208690-012B WS22-02 0-2'

Collect Date	08/05/2022 10:50	**Lab ID**	22208161112
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 15:53	747812	EKR	.3

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	23200	5020	ug/Kg

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Results

2208690-013B WS22-03 0-2'

Collect Date 08/05/2022 10:55 **Lab ID** 22208161113
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:02	747812	EKR	4.61

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5240	ug/Kg

2208690-014B WS22-04 0-2'

Collect Date 08/05/2022 11:00 **Lab ID** 22208161114
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:11	747812	EKR	.3

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**5330**	**5010**	ug/Kg

2208690-015B WS22-05 0-2'

Collect Date 08/05/2022 11:05 **Lab ID** 22208161115
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:20	747812	EKR	1.62

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5080	ug/Kg

2208690-016B WS22-06 0-2'

Collect Date 08/05/2022 11:10 **Lab ID** 22208161116
Receive Date 08/16/2022 10:10 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:30	747812	EKR	1.07

CAS#	Parameter	Result	LOQ	Units
112-27-6	**Triethylene Glycol**	**34500**	**5050**	ug/Kg

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

Sample Results

2208690-017B WS22-07 0-2'

Collect Date	08/05/2022 11:15	**Lab ID**	22208161117
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:39	747812	EKR	.78

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	89400	5040	ug/Kg

2208690-018B WS22-08 0-2'

Collect Date	08/05/2022 11:20	**Lab ID**	22208161118
Receive Date	08/16/2022 10:10	**Matrix**	Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	08/18/22 16:48	747812	EKR	.45

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	5880	5020	ug/Kg

Pace Analytical

Report#: 222081611
Project ID: WG1910174 L1524698 **Report Date:** 08/25/2022

GC Semi-Volatiles QC Summary

Analytical Batch 747812	Client ID	MB747812		LCS747812				LCSD747812				
	Lab ID	2385088		2385089				2385678				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	08/18/22 13:52		08/18/22 11:25				08/18/22 18:21				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	ND	5000	62500	58600	94	40 - 140	62500	43200	69	30	40

Client ID: 4367 - Pace Analytical Services
SDG: 222081611
PM: RWe

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant f

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Pace Analytical	Report To:	Pace Analytical Subout Team	Attention:	Andy Freeman
Address:	12065 Lebanon Rd.	Copy To:		Company Name:	
Mt. Juliet, TN 37122				Address:	
Email:	MTJLSuboutTeam@pacelabs.com	Purchase Order #:	L1524698	Pace Quote:	
Phone:	(615) 773-9756 Fax (615) 758-5859	Project Name:		Pace Project Manager:	Ruth Welsh
Requested Due Date:	19-Aug	Project #:		Pace Profile #:	38076

Regulatory Agency
State / Location
LA 70820, LA 70820

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Triethylene Glycol	Residual Chlorine (Y/N)	
1	2208690-001B BS22-01 2'	SL				05-Aug	9:30		1	1									X		1
2	2208690-002B BS22-02 2'	SL				05-Aug	9:35		1	1									X		2
3	2208690-003B BS22-03 2'	SL				05-Aug	9:40		1	1									X		3
4	2208690-004B BS22-04 2'	SL				05-Aug	9:45		1	1									X		4
5	2208690-005B BS22-05 2'	SL				05-Aug	9:50		1	1									X		5
6	2208690-006B BS22-06 2'	SL				05-Aug	9:55		1	1									X		6
7	2208690-007B BS22-07 2'	SL				05-Aug	10:00		1	1									X		7
8	2208690-008B BS22-08 2'	SL				05-Aug	10:05		1	1									X		8
9	2208690-009B BS22-09 2'	SL				05-Aug	10:10		1	1									X		9
10	2208690-01B BS22-10 2'	SL				05-Aug	10:15		1	1									X		10
11	2208690-011B WS22-01 0-2'	SL				05-Aug	10:45		1	1									X		11
12	2208690-012B WS22-02 0-2'	SL				05-Aug	10:50		1	1									X		12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James C Huckaba	12-Aug	16:14				
Pace Analytical Batch: WG1910174	FedEx	8/16/22	10:10		8/16/22	10:10	2.6 IR2
Pace Analytical SDGs: L1524698							
Location: Baton Rouge, LA 70820							

5862 7551 5040

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed:					

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 2 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Pace Analytical	Report To:	Pace Analytical Subout Team	Attention:	Andy Freeman
Address:	12065 Lebanon Rd.	Copy To:		Company Name:	
Mt. Juliet, TN 37122				Address:	
Email:	MTJLSuboutTeam@pacelabs.com	Purchase Order #:	L1524698	Pace Quote:	
Phone:	(615) 773-9756 Fax: (615) 758-5859	Project Name:		Pace Project Manager:	Ruth Welsh
Requested Due Date:	19-Aug	Project #:		Pace Profile #:	38076

Regulatory Agency
State / Location
LA 70820, LA 70820

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Triethylene Glycol	Residual Chlorine (Y/N)	
1	2208690-013B WS22-03 0-2'	SL				05-Aug	10:55		1	1									X		13
2	2208690-014B WS22-04 0-2'	SL				05-Aug	11:00		1	1									X		14
3	2208690-015B WS22-05 0-2'	SL				05-Aug	11:05		1	1									X		15
4	2208690-016B WS22-06 0-2'	SL				05-Aug	11:10		1	1									X		16
5	2208690-017B WS22-07 0-2'	SL				05-Aug	11:15		1	1									X		17
6	2208690-018B WS22-08 0-2'	SL				05-Aug	11:20		1	1									X		18
7																					
8																					
9																					
10																					
11																					
12																					

Client ID: 4367 - Pace Analytical Services

SDG: 222081611

PM: RWe

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James C Huckaba	12-Aug	16:14				
Pace Analytical Batch: WG1910174	FedEx	8/16/22	10:10		8/16/22	10:10	2.6 EAE
Pace Analytical SDGs: L1524698							
Location: Baton Rouge, LA 70820							

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed:					

Pace Analytical®

SAMPLE RECEIVING CHECKLIST

* 2 2 2 0 8 1 6 1 1 *

SAMPLE DELIVERY GROUP 222081611	
Client **PM** RWe 4367 - Pace Analytical Services	**Transport Method** FEDEX
Profile Number 297536	**Received By** Roberts, George S.
Line Item(s) 1 - Glycol - Soil	**Receive Date(s)** 08/16/22

CHECKLIST	YES	NO
Samples received with proper thermal preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
COC relinquished and complete (including sampleIDs, collect times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☐	☑
All sample labels and containers received match the chain of custody?	☑	☐
Preservative added to any containers?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by Pace Gulf Coast?	☑	☐

COOLERS

Airbill	Thermometer ID: E42	Temp °C
588275515090		2.6

DISCREPANCIES

22208161103 - 2208690-003B BS22-03 2':
Low sample volume

LAB PRESERVATIONS

None

NOTES

SAMPLE 3 BROKEN DURING RECEIVING; ABLE TO SALVAGE VERY SMALL AMOUNT OF SAMPLE

Revision 1.6

Page 1 of 1

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208690**

26-Aug-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **MB-69482**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **69482**	RunNo: **90266**							
Prep Date: **8/13/2022**	Analysis Date: **8/13/2022**	SeqNo: **3219654**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-69482**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **69482**	RunNo: **90266**							
Prep Date: **8/13/2022**	Analysis Date: **8/13/2022**	SeqNo: **3219655**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: **MB-69481**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **69481**	RunNo: **90271**							
Prep Date: **8/13/2022**	Analysis Date: **8/13/2022**	SeqNo: **3219740**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-69481**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **69481**	RunNo: **90271**							
Prep Date: **8/13/2022**	Analysis Date: **8/13/2022**	SeqNo: **3219741**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208690**

26-Aug-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **LCS-69425**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69425**	RunNo: **90218**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218134** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.4	64.4	127			
Surr: DNOP	4.4		5.000		87.7	21	129			

Sample ID: **MB-69425**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69425**	RunNo: **90218**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218135** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.8	21	129			

Sample ID: **2208690-003AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS22-03 2'**	Batch ID: **69425**	RunNo: **90218**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218457** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	15	48.36	0	87.3	36.1	154			
Surr: DNOP	3.9		4.836		80.2	21	129			

Sample ID: **2208690-003AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS22-03 2'**	Batch ID: **69425**	RunNo: **90218**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218458** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	14	47.98	0	89.6	36.1	154	1.73	33.9	
Surr: DNOP	4.1		4.798		85.8	21	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208690**

26-Aug-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **lcs-69421**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **69421**	RunNo: **90227**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218828** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	1900		1000		193	37.7	212			

Sample ID: **mb-69421**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **69421**	RunNo: **90227**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218829** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.2	37.7	212			

Sample ID: **2208690-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-01 2'**	Batch ID: **69421**	RunNo: **90227**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218831** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.61	0	110	70	130			
Surr: BFB	1900		944.3		202	37.7	212			

Sample ID: **2208690-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-01 2'**	Batch ID: **69421**	RunNo: **90227**
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218832** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.63	0	113	70	130	2.35	20	
Surr: BFB	1900		945.2		202	37.7	212	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208690**

26-Aug-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **mb-69421**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **69421**	RunNo: **90227**							
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218882**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.78		1.000		77.8	70	130			

Sample ID: **2208690-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **BS22-02 2'**	Batch ID: **69421**	RunNo: **90227**							
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218885**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9950	0	81.2	68.8	120			
Toluene	0.85	0.050	0.9950	0	85.5	73.6	124			
Ethylbenzene	0.87	0.050	0.9950	0	87.1	72.7	129			
Xylenes, Total	2.6	0.10	2.985	0	86.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.77		0.9950		77.7	70	130			

Sample ID: **2208690-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **BS22-02 2'**	Batch ID: **69421**	RunNo: **90227**							
Prep Date: **8/11/2022**	Analysis Date: **8/12/2022**	SeqNo: **3218886**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9960	0	81.4	68.8	120	0.412	20	
Toluene	0.86	0.050	0.9960	0	86.3	73.6	124	0.977	20	
Ethylbenzene	0.88	0.050	0.9960	0	88.0	72.7	129	1.06	20	
Xylenes, Total	2.6	0.10	2.988	0	87.5	75.7	126	1.42	20	
Surr: 4-Bromofluorobenzene	0.76		0.9960		76.6	70	130	0	0	

Sample ID: **lcs-69421**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **69421**	RunNo: **90279**							
Prep Date: **8/11/2022**	Analysis Date: **8/15/2022**	SeqNo: **3220402**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.0	80	120			
Toluene	0.92	0.050	1.000	0	91.8	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Devon Energy | Work Order Number: 2208690 | RcptNo: 1

Received By: Juan Rojas 8/11/2022 7:10:00 AM

Completed By: Sean Livingston 8/11/2022 7:57:52 AM

Reviewed By: JR 8/11/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SLL 8/11/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good				

Chain-of-Custody Record

Client: Devon / Vertex

Mailing Address: on file

Phone #: /

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☑ Rush 2-Day

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: K. Stallings

Sampler: M. Winter

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 4.1-0=4.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208690	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	* TEG (triethylene glycol)
8-5-22	9:30	Soil	BS22-01 2'	4oz	ice	001	X	X					X				*
	9:35		BS22-02 2'			002											
	9:40		BS22-03 2'			003											
	9:45		BS22-04 2'			004											
	9:50		BS22-05 2'			005											
	9:55		BS22-06 2'			006											
	10:00		BS22-07 2'			007											
	10:05		BS22-08 2'			008											
	10:10		BS22-09 2'			009											
	10:15		BS22-10 2'			010											
↓	10:45	↓	WS22-01 0-2'			011											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
8/10/22	0900	McKenzie Winter				
8/11/22	1800			courier	8/11/22	7:10

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Devon / Vertex

Mailing Address: on file

Phone #: /

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 2 Day

Project Name: Falcon Compressor Station

Project #: 22E-00934

Project Manager: K. Stallings

Sampler: M. Wir

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 4.1-0=4.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TEG (triethylene Glycol)
8/5-22	10:50	Soil	WS22-02 0-2'	4oz	ice	012	X	X					X				
	10:55		WS22-03 0-2'			013											
	11:00		WS22-04 0-2'			014											
	11:05		WS22-05 0-2'			015											
	11:10		WS22-06 0-2'			016											
	11:15		WS22-07 0-2'			017											
	11:20		WS22-08 0-2'			018											

Analysis Request

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
8/10	08:00	M'Kenzie Wir	ACummings		8/10/22	800
8/10/22	1900	ACummings		courier	8/11/22	7:10

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 19, 2022

Kent Stallings

Devon Energy
6488 Seven Rivers Highway
Artesia, NM 88210
TEL: (505) 350-1336
FAX:

RE: Falcon Compressor Station OrderNo.: 2209222

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 20 sample(s) on 9/7/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-001 **Matrix:** SOIL

Client Sample ID: BS22-01 4'
Collection Date: 9/2/2022 9:00:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 1:16:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 1:16:38 PM
Surr: DNOP	89.6	21-129		%Rec	1	9/8/2022 1:16:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 3:37:00 PM
Surr: BFB	99.9	37.7-212		%Rec	1	9/8/2022 3:37:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 3:37:00 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 3:37:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 3:37:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/8/2022 3:37:00 PM
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	9/8/2022 3:37:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 4:32:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-002 **Matrix:** SOIL

Client Sample ID: BS22-02 4'
Collection Date: 9/2/2022 9:05:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 1:27:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 1:27:09 PM
Surr: DNOP	90.9	21-129		%Rec	1	9/8/2022 1:27:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/8/2022 4:00:40 PM
Surr: BFB	98.9	37.7-212		%Rec	1	9/8/2022 4:00:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/8/2022 4:00:40 PM
Toluene	ND	0.048		mg/Kg	1	9/8/2022 4:00:40 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/8/2022 4:00:40 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/8/2022 4:00:40 PM
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/8/2022 4:00:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 5:09:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-003 **Matrix:** SOIL

Client Sample ID: BS22-03 4'
Collection Date: 9/2/2022 9:10:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/8/2022 1:37:41 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/8/2022 1:37:41 PM
Surr: DNOP	95.1	21-129		%Rec	1	9/8/2022 1:37:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 4:24:23 PM
Surr: BFB	104	37.7-212		%Rec	1	9/8/2022 4:24:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 4:24:23 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 4:24:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 4:24:23 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/8/2022 4:24:23 PM
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	9/8/2022 4:24:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 6:11:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-004 **Matrix:** SOIL

Client Sample ID: BS22-04 4'
Collection Date: 9/2/2022 9:15:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 1:48:15 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2022 1:48:15 PM
Surr: DNOP	95.0	21-129		%Rec	1	9/8/2022 1:48:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 4:48:08 PM
Surr: BFB	101	37.7-212		%Rec	1	9/8/2022 4:48:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 4:48:08 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 4:48:08 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 4:48:08 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 4:48:08 PM
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	9/8/2022 4:48:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 6:24:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-005 **Matrix:** SOIL

Client Sample ID: BS22-05 4'
Collection Date: 9/2/2022 9:20:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/8/2022 1:58:49 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/8/2022 1:58:49 PM
Surr: DNOP	96.9	21-129		%Rec	1	9/8/2022 1:58:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 5:11:55 PM
Surr: BFB	101	37.7-212		%Rec	1	9/8/2022 5:11:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/8/2022 5:11:55 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 5:11:55 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 5:11:55 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/8/2022 5:11:55 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	9/8/2022 5:11:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 6:36:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-006 **Matrix:** SOIL

Client Sample ID: BS22-06 4'
Collection Date: 9/2/2022 9:25:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 2:09:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 2:09:22 PM
Surr: DNOP	94.9	21-129		%Rec	1	9/8/2022 2:09:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 5:35:38 PM
Surr: BFB	101	37.7-212		%Rec	1	9/8/2022 5:35:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/8/2022 5:35:38 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 5:35:38 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 5:35:38 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/8/2022 5:35:38 PM
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	9/8/2022 5:35:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 6:49:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-007 **Matrix:** SOIL

Client Sample ID: BS22-07 4'
Collection Date: 9/2/2022 9:30:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 2:20:11 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2022 2:20:11 PM
Surr: DNOP	106	21-129		%Rec	1	9/8/2022 2:20:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 10:18:25 PM
Surr: BFB	97.2	37.7-212		%Rec	1	9/8/2022 10:18:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 10:18:25 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 10:18:25 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 10:18:25 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/8/2022 10:18:25 PM
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	9/8/2022 10:18:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	59		mg/Kg	20	9/8/2022 7:01:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-008 **Matrix:** SOIL

Client Sample ID: BS22-08 4'
Collection Date: 9/2/2022 9:35:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 2:30:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2022 2:30:45 PM
Surr: DNOP	98.9	21-129		%Rec	1	9/8/2022 2:30:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 10:41:49 PM
Surr: BFB	99.0	37.7-212		%Rec	1	9/8/2022 10:41:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 10:41:49 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 10:41:49 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 10:41:49 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 10:41:49 PM
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	9/8/2022 10:41:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 7:13:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-009 **Matrix:** SOIL

Client Sample ID: BS22-09 4'
Collection Date: 9/2/2022 9:40:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 2:41:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 2:41:22 PM
Surr: DNOP	99.6	21-129		%Rec	1	9/8/2022 2:41:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 11:05:10 PM
Surr: BFB	96.5	37.7-212		%Rec	1	9/8/2022 11:05:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 11:05:10 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 11:05:10 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 11:05:10 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 11:05:10 PM
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/8/2022 11:05:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 7:26:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-010 **Matrix:** SOIL

Client Sample ID: BS22-10 4'
Collection Date: 9/2/2022 9:45:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 2:51:59 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2022 2:51:59 PM
Surr: DNOP	86.7	21-129		%Rec	1	9/8/2022 2:51:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 11:28:30 PM
Surr: BFB	96.8	37.7-212		%Rec	1	9/8/2022 11:28:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/8/2022 11:28:30 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 11:28:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 11:28:30 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/8/2022 11:28:30 PM
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/8/2022 11:28:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 7:38:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-011 **Matrix:** SOIL

Client Sample ID: BS22-16 4'
Collection Date: 9/2/2022 9:50:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 3:02:56 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/8/2022 3:02:56 PM
Surr: DNOP	84.6	21-129		%Rec	1	9/8/2022 3:02:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 11:51:51 PM
Surr: BFB	97.7	37.7-212		%Rec	1	9/8/2022 11:51:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/8/2022 11:51:51 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 11:51:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 11:51:51 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 11:51:51 PM
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	9/8/2022 11:51:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 8:15:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-012 **Matrix:** SOIL

Client Sample ID: WS22-01 0-4'
Collection Date: 9/2/2022 10:30:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 3:13:53 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/8/2022 3:13:53 PM
Surr: DNOP	90.9	21-129		%Rec	1	9/8/2022 3:13:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 12:15:09 AM
Surr: BFB	98.1	37.7-212		%Rec	1	9/9/2022 12:15:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 12:15:09 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 12:15:09 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 12:15:09 AM
Xylenes, Total	ND	0.099		mg/Kg	1	9/9/2022 12:15:09 AM
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	9/9/2022 12:15:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	59		mg/Kg	20	9/8/2022 8:28:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-013 **Matrix:** SOIL

Client Sample ID: WS22-02 0-4'
Collection Date: 9/2/2022 10:35:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 3:24:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 3:24:33 PM
Surr: DNOP	90.0	21-129		%Rec	1	9/8/2022 3:24:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 12:38:27 AM
Surr: BFB	96.4	37.7-212		%Rec	1	9/9/2022 12:38:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 12:38:27 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 12:38:27 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 12:38:27 AM
Xylenes, Total	ND	0.099		mg/Kg	1	9/9/2022 12:38:27 AM
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	9/9/2022 12:38:27 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 8:40:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-014 **Matrix:** SOIL

Client Sample ID: WS22-03 0-4'
Collection Date: 9/2/2022 10:40:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 3:35:13 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 3:35:13 PM
Surr: DNOP	95.0	21-129		%Rec	1	9/8/2022 3:35:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 1:01:46 AM
Surr: BFB	96.2	37.7-212		%Rec	1	9/9/2022 1:01:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 1:01:46 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 1:01:46 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 1:01:46 AM
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2022 1:01:46 AM
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	9/9/2022 1:01:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 8:53:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-015 **Matrix:** SOIL

Client Sample ID: WS22-04 0-4'
Collection Date: 9/2/2022 10:45:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/8/2022 3:45:56 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/8/2022 3:45:56 PM
Surr: DNOP	92.0	21-129		%Rec	1	9/8/2022 3:45:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 1:25:02 AM
Surr: BFB	95.4	37.7-212		%Rec	1	9/9/2022 1:25:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 1:25:02 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 1:25:02 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 1:25:02 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/9/2022 1:25:02 AM
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	9/9/2022 1:25:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	59		mg/Kg	20	9/8/2022 9:05:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-016 **Matrix:** SOIL

Client Sample ID: WS22-05 0-4'
Collection Date: 9/2/2022 10:50:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 3:56:40 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 3:56:40 PM
Surr: DNOP	94.5	21-129		%Rec	1	9/8/2022 3:56:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 1:48:18 AM
Surr: BFB	96.7	37.7-212		%Rec	1	9/9/2022 1:48:18 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 1:48:18 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 1:48:18 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 1:48:18 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/9/2022 1:48:18 AM
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	9/9/2022 1:48:18 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 9:17:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-017 **Matrix:** SOIL

Client Sample ID: WS22-06 0-4'
Collection Date: 9/2/2022 10:55:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 4:07:25 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/8/2022 4:07:25 PM
Surr: DNOP	91.3	21-129		%Rec	1	9/8/2022 4:07:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 2:34:48 AM
Surr: BFB	97.3	37.7-212		%Rec	1	9/9/2022 2:34:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 2:34:48 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 2:34:48 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 2:34:48 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/9/2022 2:34:48 AM
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	9/9/2022 2:34:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 9:30:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-018 **Matrix:** SOIL

Client Sample ID: WS22-07 0-4'
Collection Date: 9/2/2022 11:00:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 4:18:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2022 4:18:12 PM
Surr: DNOP	95.9	21-129		%Rec	1	9/8/2022 4:18:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 2:58:02 AM
Surr: BFB	97.1	37.7-212		%Rec	1	9/9/2022 2:58:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/9/2022 2:58:02 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 2:58:02 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 2:58:02 AM
Xylenes, Total	ND	0.099		mg/Kg	1	9/9/2022 2:58:02 AM
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	9/9/2022 2:58:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 9:42:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-019 **Matrix:** SOIL

Client Sample ID: WS22-08 0-4'
Collection Date: 9/2/2022 11:05:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/8/2022 4:29:06 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2022 4:29:06 PM
Surr: DNOP	97.4	21-129		%Rec	1	9/8/2022 4:29:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 3:21:16 AM
Surr: BFB	97.9	37.7-212		%Rec	1	9/9/2022 3:21:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/9/2022 3:21:16 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 3:21:16 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 3:21:16 AM
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2022 3:21:16 AM
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	9/9/2022 3:21:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	61		mg/Kg	20	9/8/2022 9:55:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209222**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Falcon Compressor Station
Lab ID: 2209222-020 **Matrix:** SOIL

Client Sample ID: WS22-15 0-4'
Collection Date: 9/2/2022 11:10:00 AM
Received Date: 9/7/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/8/2022 4:40:00 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/8/2022 4:40:00 PM
Surr: DNOP	99.6	21-129		%Rec	1	9/8/2022 4:40:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 3:44:31 AM
Surr: BFB	93.4	37.7-212		%Rec	1	9/9/2022 3:44:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/9/2022 3:44:31 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 3:44:31 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 3:44:31 AM
Xylenes, Total	ND	0.097		mg/Kg	1	9/9/2022 3:44:31 AM
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	9/9/2022 3:44:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	9/8/2022 10:07:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

LELAP Certificate Number: 01955
A2LA Accredited (DoD ELAP-QSM 5.4) Certificate Number: 6429.01

ANALYTICAL RESULTS

PERFORMED BY

Pace Analytical Gulf Coast
7979 Innovation Park Dr.
Baton Rouge, LA 70820
(225) 769-4900

Report Date 09/17/2022

Report # 222091255

Project 2209222

Samples Collected 9/2/22

Deliver To	***Additional Recipients***
Reporting Hall Environmental 4901 Hawkins NE Albuquerque, NM 87109 505-345-3975	NONE

A2LA ACCREDITED
CERT # 6429.01

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with Pace Gulf Coast's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

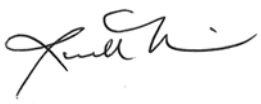
J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*****	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	Organics - The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
L	Reporting Limits adjusted to meet risk-based limit.
P	RPD between primary and confirmation result is greater than 40
DL	Diluted analysis – when appended to Client Sample ID

Sample receipt at Pace Gulf Coast is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of Pace Gulf Coast. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with The NELAC Institute (TNI) Standard 2009 and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.



Authorized Signature
Pace Gulf Coast Report 222091255

Certifications

Certification	Certification Number
A2LA Accredited (DoD ELAP-QSM 5.4)	6429.01
Alabama	01955
Arkansas	88-0655
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
Washington	C929
USDA Soil Permit	P330-16-00234

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Case Narrative

Client: Hall Environmental **Report:** 222091255

Pace Analytical Gulf Coast received and analyzed the sample(s) listed
on the Report Sample Summary page of this report. Receipt of the sample(s) is documented
by the attached chain of custody. This applies only to the sample(s) listed in this report.
No sample integrity or quality control exceptions were identified unless noted below.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the GCSV EPA 8015C analysis for triethylene glycol, the MS/MSD recoveries were outside QC limits in a similar manner. This can be attributed to a matrix interference. The LCS/LCSD recoveries are acceptable.

In the EPA 8015C analysis for batch 749698 , the MS/MSD exhibited RPD failures.

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Summary

Lab ID	Client ID	Matrix	Collect Date	Receive Date
22209125501	220922-001B BS22-01 4'	Solid	9/02/22 09:00	9/08/22 10:15
22209125502	220922-002B BS22-02 4'	Solid	9/02/22 09:05	9/08/22 10:15
22209125503	220922-003B BS22-03 4'	Solid	9/02/22 09:10	9/08/22 10:15
22209125504	220922-004B BS22-04 4'	Solid	9/02/22 09:15	9/08/22 10:15
22209125505	220922-005B BS22-05 4'	Solid	9/02/22 09:20	9/08/22 10:15
22209125506	220922-006B BS22-06 4'	Solid	9/02/22 09:25	9/08/22 10:15
22209125507	220922-007B BS22-07 4'	Solid	9/02/22 09:30	9/08/22 10:15
22209125508	220922-008B BS22-08 4'	Solid	9/02/22 09:35	9/08/22 10:15
22209125509	220922-009B BS22-09 4'	Solid	9/02/22 09:40	9/08/22 10:15
22209125510	220922-010B BS22-10 4'	Solid	9/02/22 09:45	9/08/22 10:15
22209125511	220922-011B BS22-16 4'	Solid	9/02/22 09:50	9/08/22 10:15
22209125512	220922-012B WS22-01 0-4'	Solid	9/02/22 10:30	9/08/22 10:15
22209125513	220922-013B WS22-02 0-4'	Solid	9/02/22 10:35	9/08/22 10:15
22209125514	220922-014B WS22-03 0-4'	Solid	9/02/22 10:40	9/08/22 10:15
22209125515	220922-015B WS22-04 0-4'	Solid	9/02/22 10:45	9/08/22 10:15
22209125516	220922-016B WS22-05 0-4'	Solid	9/02/22 10:50	9/08/22 10:15
22209125517	220922-017B WS22-06 0-4'	Solid	9/02/22 10:55	9/08/22 10:15
22209125518	220922-018B WS22-07 0-4'	Solid	9/02/22 11:00	9/08/22 10:15
22209125519	220922-019B WS22-08 0-4'	Solid	9/02/22 11:05	9/08/22 10:15
22209125520	220922-020B WS22-15 0-4'	Solid	9/02/22 11:10	9/08/22 10:15

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Detect Summary

No analytes were detected for analyses performed by Pace Gulf Coast.

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Results

220922-001B BS22-01 4'

Collect Date 09/02/2022 09:00 **Lab ID** 22209125501
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:16	749698	EKR	5.01

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5260	ug/Kg

220922-002B BS22-02 4'

Collect Date 09/02/2022 09:05 **Lab ID** 22209125502
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:26	749698	EKR	24.12

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	6590	ug/Kg

220922-003B BS22-03 4'

Collect Date 09/02/2022 09:10 **Lab ID** 22209125503
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:35	749698	EKR	4.92

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5260	ug/Kg

220922-004B BS22-04 4'

Collect Date 09/02/2022 09:15 **Lab ID** 22209125504
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:45	749698	EKR	.82

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5040	ug/Kg

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Results

220922-005B BS22-05 4'

Collect Date 09/02/2022 09:20 **Lab ID** 22209125505
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:54	749698	EKR	8.83

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5480	ug/Kg

220922-006B BS22-06 4'

Collect Date 09/02/2022 09:25 **Lab ID** 22209125506
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 14:26	749698	EKR	12.49

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5570	ug/Kg

220922-007B BS22-07 4'

Collect Date 09/02/2022 09:30 **Lab ID** 22209125507
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 14:35	749698	EKR	4.65

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5120	ug/Kg

220922-008B BS22-08 4'

Collect Date 09/02/2022 09:35 **Lab ID** 22209125508
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 14:44	749698	EKR	4.66

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5240	ug/Kg

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Results

220922-009B BS22-09 4'

Collect Date 09/02/2022 09:40 **Lab ID** 22209125509
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 14:54	749698	EKR	5.29

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5280	ug/Kg

220922-010B BS22-10 4'

Collect Date 09/02/2022 09:45 **Lab ID** 22209125510
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:03	749698	EKR	12.58

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5580	ug/Kg

220922-011B BS22-16 4'

Collect Date 09/02/2022 09:50 **Lab ID** 22209125511
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:12	749698	EKR	4.69

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5250	ug/Kg

220922-012B WS22-01 0-4'

Collect Date 09/02/2022 10:30 **Lab ID** 22209125512
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:21	749698	EKR	11.08

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5490	ug/Kg

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Results

220922-013B WS22-02 0-4'

Collect Date 09/02/2022 10:35 **Lab ID** 22209125513
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:31	749698	EKR	18.1

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	6100	ug/Kg

220922-014B WS22-03 0-4'

Collect Date 09/02/2022 10:40 **Lab ID** 22209125514
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:40	749698	EKR	3.32

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5050	ug/Kg

220922-015B WS22-04 0-4'

Collect Date 09/02/2022 10:45 **Lab ID** 22209125515
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/14/22 19:06	749487	MFS	4.7

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5250	ug/Kg

220922-016B WS22-05 0-4'

Collect Date 09/02/2022 10:50 **Lab ID** 22209125516
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:49	749698	EKR	4.79

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5120	ug/Kg

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

Sample Results

220922-017B WS22-06 0-4'

Collect Date 09/02/2022 10:55 **Lab ID** 22209125517
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 15:57	749698	EKR	4.1

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5210	ug/Kg

220922-018B WS22-07 0-4'

Collect Date 09/02/2022 11:00 **Lab ID** 22209125518
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/15/22 16:08	749698	EKR	4.86

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5130	ug/Kg

220922-019B WS22-08 0-4'

Collect Date 09/02/2022 11:05 **Lab ID** 22209125519
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/14/22 19:56	749487	MFS	4.71

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5250	ug/Kg

220922-020B WS22-15 0-4'

Collect Date 09/02/2022 11:10 **Lab ID** 22209125520
Receive Date 09/08/2022 10:15 **Matrix** Solid

EPA 8015C *Results and limits adjusted for moisture content

Prep Date	Prep Batch	Prep Method	Dilution	Run Date	Run Batch	Analyst	%Moisture
NA	NA	NA	1	09/14/22 20:05	749487	MFS	4.63

CAS#	Parameter	Result	LOQ	Units
112-27-6	Triethylene Glycol	ND	5240	ug/Kg

Pace Analytical

Report#: 222091255
Project ID: 2209222 **Report Date:** 09/17/2022

GC Semi-Volatiles QC Summary

Analytical Batch 749487	Client ID	MB749487		LCS749487				LCSD749487				
	Lab ID	2394267		2394268				2394269				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	09/14/22 18:03		09/14/22 17:32				09/14/22 17:42				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	ND	5000	62500	34900	56	40 - 140	62500	35200	56	1	40

Analytical Batch 749698	Client ID	MB749698		LCS749698				LCSD749698				
	Lab ID	2395313		2395314				2395932				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	09/15/22 14:16		09/15/22 09:59				09/15/22 13:22				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	ND	5000	61000	36900	61	40 - 140	61000	42900	70	15	40

Analytical Batch 749698	Client ID	220922-001B BS22-01 4'		2394433MS				2394433MSD				
	Lab ID	22209125501		2395315				2395316				
	Sample Type	SAMPLE		MS				MSD				
	Prep Date	NA		NA				NA				
	Analysis Date	09/15/2022 16:16		09/15/22 11:07				09/15/22 11:32				
	Matrix	Solid		Solid				Solid				
EPA 8015C		Units Result	ug/Kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Triethylene Glycol	112-27-6	0.00	5260	64200	11400	18*	40 - 140	64200	19600	31*	53*	40

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

Client ID: 5579 - Hall Environmental
SDG: 222091255
PM: RWe

SUB CONTRATOR: PACE LA	COMPANY: PACE Analytical Gulf Coast	PHONE: (225) 769-4900	FAX:
ADDRESS: 7979 Innovation Park Dr.		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Baton Rouge, LA 70820			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
1	2209222-001B	BS22-01 4'	4OZGU	Soil	9/2/2022 9:00:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	1
2	2209222-002B	BS22-02 4'	4OZGU	Soil	9/2/2022 9:05:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	2
3	2209222-003B	BS22-03 4'	4OZGU	Soil	9/2/2022 9:10:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	3
4	2209222-004B	BS22-04 4'	4OZGU	Soil	9/2/2022 9:15:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	4
5	2209222-005B	BS22-05 4'	4OZGU	Soil	9/2/2022 9:20:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	5
6	2209222-006B	BS22-06 4'	4OZGU	Soil	9/2/2022 9:25:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	6
7	2209222-007B	BS22-07 4'	4OZGU	Soil	9/2/2022 9:30:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	7
8	2209222-008B	BS22-08 4'	4OZGU	Soil	9/2/2022 9:35:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	8
9	2209222-009B	BS22-09 4'	4OZGU	Soil	9/2/2022 9:40:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	9
10	2209222-010B	BS22-10 4'	4OZGU	Soil	9/2/2022 9:45:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	10
11	2209222-011B	BS22-16 4'	4OZGU	Soil	9/2/2022 9:50:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	11
12	2209222-012B	WS22-01 0-4'	4OZGU	Soil	9/2/2022 10:30:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	12
13	2209222-013B	WS22-02 0-4'	4OZGU	Soil	9/2/2022 10:35:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	13

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/7/2022	Time: 12:31 PM	Received By:	Date:	Time:
Relinquished By: FedEx	Date: 9/8/22	Time: 10:15	Received By:	Date: 9/8/22	Time: 10:15
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.8 °C Attempt to Cool ? _____
Comments: 7728 7245 2753

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: PACE LA	COMPANY: PACE Analytical Gulf Coast	PHONE: (225) 769-4900	FAX:
ADDRESS: 7979 Innovation Park Dr.		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Baton Rouge, LA 70820			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS	
14	2209222-014B	WS22-03 0-4'	4OZGU	Soil	9/2/2022 10:40:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	14
15	2209222-015B	WS22-04 0-4'	4OZGU	Soil	9/2/2022 10:45:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	15
16	2209222-016B	WS22-05 0-4'	4OZGU	Soil	9/2/2022 10:50:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	16
17	2209222-017B	WS22-06 0-4'	4OZGU	Soil	9/2/2022 10:55:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	17
18	2209222-018B	WS22-07 0-4'	4OZGU	Soil	9/2/2022 11:00:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	18
19	2209222-019B	WS22-08 0-4'	4OZGU	Soil	9/2/2022 11:05:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	19
20	2209222-020B	WS22-15 0-4'	4OZGU	Soil	9/2/2022 11:10:00 AM	1	TEG Triethylene Glycol *RUSH ASAP*	20

Client ID: 5579 - Hall Environmental
SDG: 222091255
PM: RWe

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: Sgl	Date: 9/7/2022	Time: 12:31 PM	Received By:	Date:	Time:
Relinquished By: FedEx	Date: 9/8/22	Time: 10:15	Received By:	Date: 9/8/22	Time: 10:15
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples _____ °C Attempt to Cool ? _____
Comments: _____

Pace Analytical®

SAMPLE RECEIVING CHECKLIST

2220912 55

SAMPLE DELIVERY GROUP 222091255	
Client **PM** RWe 5579 - Hall Environmental	**Transport Method** FEDEX
Profile Number 300330	**Received By** Roberts, George S.
Line Item(s) 1 - Glycol - Soil	**Receive Date(s)** 09/08/22

CHECKLIST	YES	NO
Samples received with proper thermal preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
COC relinquished and complete (including sampleIDs, collect times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☑	☐
Preservative added to any containers?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by Pace Gulf Coast?	☐	☑

COOLERS

Airbill	Thermometer ID: E42	Temp °C
777872452753		2.8

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

Page 1 of 1

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209222**

19-Sep-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID:	**MB-70044**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**70044**	RunNo:	**90888**					
Prep Date:	**9/8/2022**	Analysis Date:	**9/8/2022**	SeqNo:	**3250147**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	**LCS-70044**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**70044**	RunNo:	**90888**					
Prep Date:	**9/8/2022**	Analysis Date:	**9/8/2022**	SeqNo:	**3250148**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

Sample ID:	**MB-70062**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**70062**	RunNo:	**90888**					
Prep Date:	**9/8/2022**	Analysis Date:	**9/8/2022**	SeqNo:	**3250177**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	**LCS-70062**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**70062**	RunNo:	**90888**					
Prep Date:	**9/8/2022**	Analysis Date:	**9/8/2022**	SeqNo:	**3250178**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209222**

19-Sep-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **LCS-70017**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70017**	RunNo: **90851**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	15	50.00	0	82.8	64.4	127			
Surr: DNOP	4.4		5.000		87.1	21	129			

Sample ID: **MB-70017**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70017**	RunNo: **90851**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249173** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.8	21	129			

Sample ID: **2209222-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS22-01 4'**	Batch ID: **70017**	RunNo: **90851**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3250631** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	48.97	0	89.7	36.1	154			
Surr: DNOP	4.5		4.897		91.8	21	129			

Sample ID: **2209222-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS22-01 4'**	Batch ID: **70017**	RunNo: **90851**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3250632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	14	48.17	0	91.3	36.1	154	0.117	33.9	
Surr: DNOP	4.6		4.817		95.5	21	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209222**

19-Sep-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **mb-70012**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249699** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Sample ID: **lcs-70012**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249700** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			

Sample ID: **2209222-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-01 4'**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249702** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.73	0	97.6	70	130			
Surr: BFB	2000		989.1		201	37.7	212			

Sample ID: **2209222-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS22-01 4'**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.80	0	83.8	70	130	14.8	20	
Surr: BFB	1800		992.1		186	37.7	212	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209222**

19-Sep-22

Client: Devon Energy

Project: Falcon Compressor Station

Sample ID: **mb-70012**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249734** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.5	70	130			

Sample ID: **LCS-70012**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249735** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Sample ID: **2209222-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS22-02 4'**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249738** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	0.9891	0	97.5	68.8	120			
Toluene	1.0	0.049	0.9891	0	101	73.6	124			
Ethylbenzene	1.0	0.049	0.9891	0	102	72.7	129			
Xylenes, Total	3.0	0.099	2.967	0	100	75.7	126			
Surr: 4-Bromofluorobenzene	0.92		0.9891		93.4	70	130			

Sample ID: **2209222-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS22-02 4'**	Batch ID: **70012**	RunNo: **90890**
Prep Date: **9/7/2022**	Analysis Date: **9/8/2022**	SeqNo: **3249739** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9921	0	103	68.8	120	6.23	20	
Toluene	1.1	0.050	0.9921	0	107	73.6	124	6.23	20	
Ethylbenzene	1.1	0.050	0.9921	0	108	72.7	129	6.16	20	
Xylenes, Total	3.2	0.099	2.976	0	107	75.7	126	7.00	20	
Surr: 4-Bromofluorobenzene	0.94		0.9921		94.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Devon Energy | Work Order Number: 2209222 | RcptNo: 1

Received By: Juan Rojas 9/7/2022 7:30:00 AM

Completed By: Sean Livingston 9/7/2022 8:18:31 AM

Reviewed By: DAD 9/7/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KPA 9-07-22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				

Chain-of-Custody Record

Client: Devon Energy
D. Woodall / W. Mathews

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 48 HR
☐ Standard ☑ Rush

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: Kent Stallings

Sampler: MJP

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.6+0.1=1.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2209222	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TEG
9/2	9:00	Soil	BS22-01 4'	4oz	Ice	001	✓	✓					✓				✓
	9:05		BS22-02 4'			002											
	9:10		BS22-03 4'			003											
	9:15		BS22-04 4'			004											
	9:20		BS22-05 4'			005											
	9:25		BS22-06 4'			006											
	9:30		BS22-07 4'			007											
	9:35		BS22-08 4'			008											
	9:40		BS22-09 4'			009											
	9:45		BS22-10 4'			010											
	9:50		BS22-16 4'			011											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/6	1030				9/6/22	1900
9/6/22	1900		courier		9/7/22	7:30

Remarks: Direct bill Devon cc: M. Peppin
W/O #: 210120 37

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Devon Energy
D. Woodall / W. Mathews

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 48 HR
☐ Standard ☑ Rush

Project Name: Falcon Compressor Station

Project #: 22E-00924

Project Manager: Kent Stallings

Sampler: MJP

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.6+0.1=1.7 (°C)

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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TEG
9/2	10:30	Soil	WS22-01 0-4'	4oz	ice	012	✓	✓					✓				✓
	10:35		WS22-02 0-4'			013											
	10:40		WS22-03 0-4'			014											
	10:45		WS22-04 0-4'			015											
	10:50		WS22-05 0-4'			016											
	10:55		WS22-06 0-4'			017											
	11:00		WS22-07 0-4'			018											
	11:05		WS22-08 0-4'			019											
	11:10		WS22-15 0-4'			020											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/6/22	1030			-	9/6/22	1030
9/6/22	1900			courier	9/7/22	7:30

Remarks:
Direct bill Devon

w/o #: 21012037 CC: M. Peppin

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 149132

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 149132
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/28/2022