

State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
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.

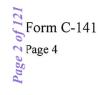
What is the shallowest depth to groundwater beneath the area affected by the release?	431(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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
Attack a second of the second	

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.

-1	~-	
1	Ch	aracterization Report Checklist: Each of the following items must be included in the report.
		zero of me journing nems must be memucu in the report.
١		
1	\boxtimes	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
1	\boxtimes	Field data
ı	\triangle	rield data
١	\boxtimes	Data table of soil contaminant concentration data
1	_	
1	\boxtimes	Depth to water determination
3		
	IXI	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
ľ		2 mile of the faterial of the felease
1	\triangle	Boring or excavation logs
1	\boxtimes	Dhoto comple in all directly and OVG 'Complete
9	\triangle	Photographs including date and GIS information
Y	\boxtimes	Topographic/Aerial maps
Ŋ	\simeq	Topographic/Aeriai iliaps
4	∇	Laboratory data including chain of custody
4		Eurostatory data including chain of custody

f the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation below. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Released to Imaging: 3/1/2022 11:17:34 AM



State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
District RP	
Facility ID	
Application ID	

Released to Imaging: 3/1/2022 11:17:34 AM

regulations all operators are required to report and/or file certain public health or the environment. The acceptance of a C-141 rep failed to adequately investigate and remediate contamination that	release notifications and perform corrective actions for releases which may endanger port by the OCD does not relieve the operator of liability should their operations have at pose a threat to groundwater, surface water, human health or the environment. In experience of responsibility for compliance with any other federal, state, or local laws
Printed Name: Nikki Mishler	Title: Sr. Environmental Representative
Signature: Mully Mishley	Date: <u>2/24/2022</u>
email: <u>Nikki.Mishler@cdevinc.com</u>	Telephone: 432-634-8722
OCD Only	
Received by:	Date:



State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
District RP	
Facility ID	
Application ID	

Released to Imaging: 3/1/2022 11:17:34 AM

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.									
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)									
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.									
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.									
Extents of contamination must be fully delineated.									
Contamination does not cause an imminent risk to human health, the environment, or groundwater.									
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									
Printed Name: Nikki Mishler Title: Sr. Environmental Representative Signature: Date: 2/24/2022									
email: Nikki.Mishler@cdevinc.com Telephone: 432-634-8722									
OCD Only									
Received by: Date:									
Approved									
Signature: Jennifer Nobili Date: 03/01/2022									



February 24, 2022

Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 875050
PH #: 575-626-0857
Mike.Bratcher@state.nm.us

Shelly Tucker U.S Department of the Interior Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220 Stucker@blm.gov

Re: Soil Investigation Summary and Revised Proposed Remediation Workplan Romeo Fed COM 1H (ROW) Release (nRM2033543713) GPS: N 32.20880° W 103.46360° Unit Letter "D", Section 22, Township 24 South, Range 34 East Lea County, New Mexico

Dear Mr. Bratcher and Ms. Tucker,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial), has prepared this Soil Investigation Summary and Revised Proposed Remediation Workplan (Workplan) for the Romeo Fed COM 1H (ROW) Release Site (Release Site). The purpose of this Workplan is to propose remediation activities designed to advance the Release Site toward a New Mexico Oil and Conservation District (NMOCD) approved Site Closure Status. The legal description of the Release Site is Unit Letter "D", Section 22, Township 24 South, Range 34 East, in Lea County, New Mexico. The subject property is administered by the New Mexico U.S. Department of the Interior Bureau of Land Management (BLM). The GPS coordinates for the site are N 32.20880° W 103.46360°. A Site Location Map and Site Details and Soil Sample Location Map are provided as Figure 1 and Figure 2, respectively.

On November 15, 2020, a produced water release occurred along the Romeo Fed COM 1H Right of way (ROW). A pinhole developed on the pipeline riser, resulting in the release. On November 16, 2020,

Centennial reported the release to the NMOCD District 1 Office located in Hobbs, New Mexico and the release was assigned the incident number nRM2033543713. A Release Notification and Corrective Action Form (Form C-141) was subsequently submitted to the NMOCD on November 17, 2021. The release was reported as approximately one hundred (100) barrels of produced water released with approximately five (5) barrels of produced water recovered, resulting in a net loss of approximately ninety-five (95) barrels. A copy of the NMOCD Release Notification and Corrective Action Form C-141 is attached to this Workplan.

A search of the groundwater database maintained by the United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Release Site. A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) identified the closest registered water well NMOSE Well #: C 03943 POD1 located approximately two tenths (0.2) of a mile southwest of the Release Site. The average depth to groundwater for NMOSE Well #: C 03943 POD1 should be encountered at approximately four hundred thirty-one (431) feet below ground surface (bgs). No water wells were observed within one-thousand feet of the Release Site. No surface water was observed within one thousand (1,000) feet of the release. However, the Release Site is located on the right-of-way (ROW) of the water transfer line in the pasture. Based on the NMOCD site classification system, the following soil remediation levels will be assigned to the Release Site as a result of this criterion.

Based on the NMOCD Site Classification criteria, the Release Site remediation levels are 10 mg/Kg for benzene, 50 mg/Kg for benzene, toluene, ethylbenzene and xylenes (BTEX), 100 mg/Kg for total petroleum hydrocarbons (TPH), and 600 mg/Kg for chloride concentrations.

From June 7 through June 10, 2021, and July 6, through July 15, 2021, Etech utilized a backhoe, miniexcavator, and a hydro-vac to conduct excavation activities of the impacted soil in the ROW. Excavated
soil was stockpiled on an adjacent well pad awaiting disposal. On July 13 and July 14, 2021, Etech
collected seventeen (17) composite confirmation soil samples from the base of the excavated area. In
addition, ten (10) composite confirmation soil samples were collected from the sidewalls of the
excavated area. Nine (9) composite soil samples were collected from the minimally impacted area
adjacent to the excavated area that was scraped utilizing a backhoe to remove the first two inches of soil.
Soil sample depths were determined based on visual and olfactory observations and field delineation
results. Soil samples were submitted to Permian Basin Environmental Lab, LP. (PBELAB) in Midland,
Texas for determination of concentrations of BTEX using Method SW 846-8021B, TPH using Method
SW 846-8015M and chloride concentrations using Method E-300.0. Analytical results indicated all
composite soil samples were below all applicable NMOCD remediation levels with the exception of
BH-1 @ 1.5' which exhibited TPH concentrations above NMOCD remediation levels of 100mg/Kg.
Laboratory analytical results are provided as an attachment (Table 1 Concentrations of Benzene, BTEX,
TPH, and Chloride in Soil).

On August 10, 2021, following further excavation activities one (1) composite soil sample (BH-1 @ 30") was collected from the base of the further excavated area and submitted to PBELAB for TPH analysis using Method SW 846-8015M. In addition, On August 11, and August 22, 2021, two composite soil samples were collected from the stockpiled soil to determine BTEX, TPH, and chloride concentration levels. Samples were submitted to PBELAB for determination of concentrations of BTEX using Method SW 846-8021B, TPH using Method SW 846-8015M and chloride concentrations using Method E-300.0. Analytical results indicated the composite soil sample BH-1 @ 30" was below

NMOCD remediation levels for TPH concentrations (Table 1). Analytical results indicated the composite soil samples collected from the stockpiled soil were below NMOCD remediation levels for benzene, total BTEX, and TPH concentrations but above NMOCD remediation levels for chloride concentrations.

Based on the analytical results of the soil samples collected on July 13, July 14, August 10 & 11, and August 22, 2021; Etech proposes the following field activities designed to complete remediation activities at the Romeo Fed COM 1H Release:

- The excavation will be backfilled with locally purchased non-impacted "like" soil.
- Approximately one thousand eight hundred (1,800) cubic yards of impacted soil will be transported under proper manifest to an NMOCD approved disposal facility.
- The backfilled areas will be seeded during the Spring season to aid in revegetation. The USDA Soil Map describes the soil at the Release Site as the Pyote and Maljamer fine sand. Based on this description, the BLM # 2 Seed Mixture will be used to revegetate the Release Site. A seed drill will be utilized to plant the amount specified in the pounds pure live seed (PLS) per acre. Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.
- Prepare and submit a "Remediation Summary and Site Closure Request" to the NMOCD.

Etech is prepared to begin the activities outlined in this Revised Proposed Remediation Workplan upon NMOCD and BLM approval.

If you have any questions, or if additional information is required, please feel free to call me at 432-563-2200 (office) or 432-653-6248 (cell).

Thank you,

Wesley A. Desilets Project Manager

Etech Environmental & Safety Solutions, Inc.

Attachments:

Figure 1 - Site Location Map

Figure 2 - Site Details and Soil Sample Location Map

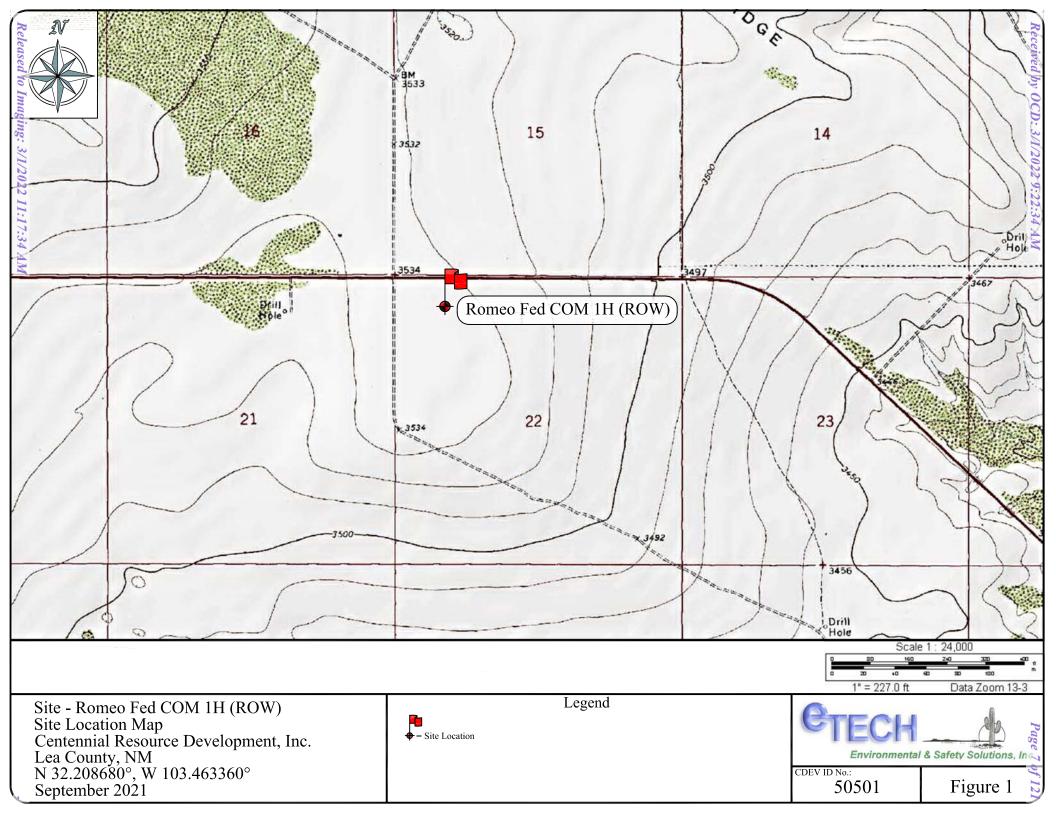
Table 1 - Concentrations of Benzene, BTEX, TPH and Chloride in Soil

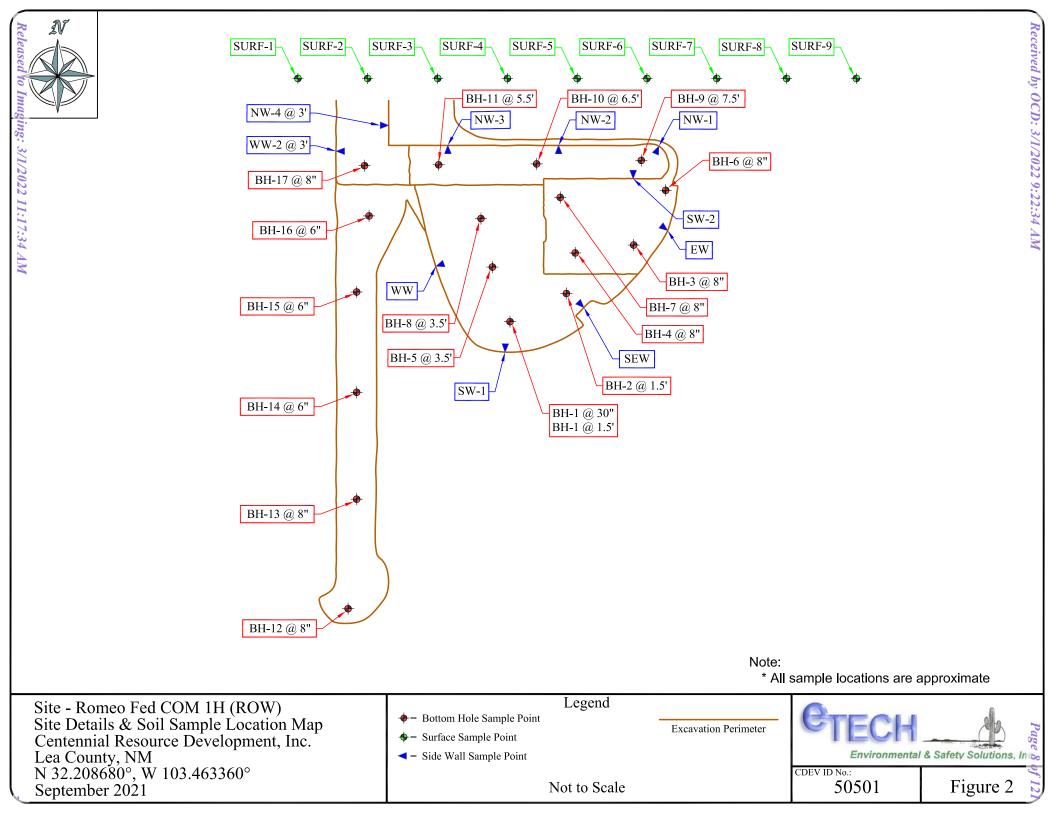
Photographic Documentation

Laboratory Analytical Results

Release Notification and Corrective Action (Form C-141)

cc: File





Received by OCD: 3/1/2022 9:22:34 AM Page 9 of 121

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

ROMEO FED COM 1H ROW RELEASE SITE

LEA COUNTY, NEW MEXICO
All concentrations are reported in mg/Kg

			All concentrations are reported in mg/Kg METHODS: SW 846-8021B						METHOD: SW 8015M				
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
					Bott	tom Hole Sam	ple Results						
BH-1 @ 1.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	90.2	35.2	125.4	8.10
BH-1 @ 30"	8/10/2021	=	-	-	-	ı	-	=	ND	ND	ND	ND	-
BH-2 @ 1.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	35.6	27.0	62.6	2.95
BH-3 @ 8"	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.73
BH-4 @ 8"	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.32
BH-5 @ 3.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.85
BH-6 @ 8"	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	27.4	27.9	55.3	5.76
BH-7 @ 8"	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	275
BH-8 @ 3.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.85
BH-9 @ 7.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4
BH-10 @ 6.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	164
BH-11 @ 5.5'	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.85
BH-12 @ 8"	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	33.0	ND	33.0	13.9
ВН-13 @ 8"	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.36
BH-14 @ 6"	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.53
BH-15 @ 6"	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.8
BH-16 @ 6"	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.78
BH-17 @ 8''	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105
	_			1	Sic	de Wall Samp	le Results					1	•
NW-1	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124
NW-2	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	125
NW-3	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104
NW-4 @ 3'	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	227
SW-1	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.2
SW-2	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.3
SEW	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.1
EW	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.8
WW	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.3
WW-2 @ 3'	7/14/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98.3

Received by OCD: 3/1/2022 9:22:34 AM Page 10 of 121

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

ROMEO FED COM 1H ROW RELEASE SITE

LEA COUNTY, NEW MEXICO
All concentrations are reported in mg/Kg

	SAMPLE LOCATION SAMPLE DATE	METHODS: SW 846-8021B					METHOD: SW 8015M					E 300.0	
SAMPLE LOCATION		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
					S	urface Sampl	e Results						
SURF-1	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.5
SURF-2	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.45
SURF-3	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.3
SURF-4	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	202
SURF-5	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	92.5
SURF-6	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.6
SURF-7	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.5
SURF-8	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.9
SURF-9	7/13/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74.5
					St	ockpile Samp	le Results						
Stockpile East	8/11/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,450
Stockpile West	8/22/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	968

Bold and Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

ND indicates Analyte Below Labortory Method Detection Limits and NMOCD Regulatory Limits

Project Name: Romeo Fed COM 1H ROW

Project No: 13445

Photo No:

Direction Taken:

East

Description:

View of the release area.



Photo No:

Direction Taken:

North

Description:

View of the release area.



Project Name: Romeo Fed COM 1H ROW

Project No: 13445

Photo No: 3. Direction Taken: South Description: View of the release area.



Direction Taken:

Southeast

Description:

View of the release area.



Project Name: Romeo Fed COM 1H ROW

Project No: 13445

Photo No: 5.

Direction Taken:

West

Description:

View of the excavated area.



Photo No:

Direction Taken:

North

Description:

View of the excavated area.



Project Name: Romeo Fed COM 1H ROW

Project No: 13445

Photo No: 7.

Direction Taken:

Southwest

Description:

View of the excavated area.



Photo No:

Direction Taken:

Southeast

Description:

View of the excavated area.



Project Name: Romeo Fed COM 1H ROW **Project No:** 13445





1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 1 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

REPORTED: 07/28/21 14:05

LAB #		1G16004-01	1G16004-02	1G16004-03	1G16004-04	1G16004-05	1G16004-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BH-1 @ 1.5'	BH-2 @ 1.5'	BH-3 @ 8"	BH-4 @ 8"	BH-5 @ 3.5'	BH-6 @ 8"
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	< 0.00103	< 0.00103	<0.00102	< 0.00103	< 0.00103	<0.00103
Toluene	0.00100 mg/kg dry	< 0.00103	< 0.00103	<0.00102	< 0.00103	< 0.00103	<0.00103
Ethylbenzene	0.00100 mg/kg dry	<0.00103	< 0.00103	<0.00102	<0.00103	<0.00103	<0.00103
Xylene (p/m)	0.00200 mg/kg dry	<0.00206	<0.00206	<0.00204	<0.00206	<0.00206	<0.00206
Xylene (o)	0.00100 mg/kg dry	< 0.00103	< 0.00103	<0.00102	< 0.00103	< 0.00103	<0.00103
1,4-Difluorobenzene	120 [surr]	109%	109%	101%	104%	100%	100%
4-Bromofluorobenzene	120 [surr]	94.9%	94.9%	88.8%	92.9%	86.0%	88.9%
General Chemistry Parameter	s by EPA / Standard	Methods (Soi	I)				
Chloride	1.00 mg/kg dry	8.10	2.95	3.73	5.32	6.85	5.76
% Moisture	0.1 %	3.0	3.0	2.0	3.0	3.0	3.0
Total Petroleum Hydrocarbons	s C6-C35 by EPA Me	thod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<25.8	<25.8	<25.5	<25.8	<25.8	<25.8
>C12-C28	25.0 mg/kg dry	90.2	35.6	<25.5	<25.8	<25.8	27.4
>C28-C35	25.0 mg/kg dry	35.2	27.0	<25.5	<25.8	<25.8	27.9
1-Chlorooctane	130 [surr]	94.6%	96.9%	97.5%	96.3%	98.9%	95.1%
o-Terphenyl	130 [surr]	101%	104%	104%	104%	106%	104%
Total Petroleum Hydrocarbon C6-C35	25.5 mg/kg dry	-	-	<25.5	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	125	62.6	-	<25.8	<25.8	55.3

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 2 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

REPORTED:

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

07/28/21 14:05

LAB#		1G16004-07	1G16004-08	1G16004-09	1G16004-10	1G16004-11	1G16004-12
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BH-7 @ 8"	BH-8 @ 3.5'	BH-9 @ 7.5'	BH-10 @ 6.5'	BH-11 @ 5.5'	NW-1
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00103	<0.00110	<0.00106	< 0.00111	<0.00105	<0.00102
Toluene	0.00100 mg/kg dry	<0.00103	<0.00110	<0.00106	< 0.00111	<0.00105	<0.00102
Ethylbenzene	0.00100 mg/kg dry	<0.00103	<0.00110	<0.00106	< 0.00111	<0.00105	<0.00102
Xylene (p/m)	0.00200 mg/kg dry	<0.00206	<0.00220	<0.00213	<0.00222	<0.00211	<0.00204
Xylene (o)	0.00100 mg/kg dry	<0.00103	<0.00110	<0.00106	< 0.00111	<0.00105	<0.00102
1,4-Difluorobenzene	120 [surr]	102%	102%	103%	103%	105%	107%
4-Bromofluorobenzene	120 [surr]	89.3%	88.6%	92.1%	93.0%	94.9%	96.6%
General Chemistry Parameter	s by EPA / Standar	d Methods (Soi	I)				
Chloride	1.00 mg/kg dry	275	9.85	21.4	164	7.85	124
% Moisture	0.1 %	3.0	9.0	6.0	10.0	5.0	2.0
Total Petroleum Hydrocarbons	s C6-C35 by EPA M	ethod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<25.8	<27.5	<26.6	<27.8	<26.3	<25.5
>C12-C28	25.0 mg/kg dry	<25.8	<27.5	<26.6	<27.8	<26.3	<25.5
>C28-C35	25.0 mg/kg dry	<25.8	<27.5	<26.6	<27.8	<26.3	<25.5
1-Chlorooctane	130 [surr]	98.9%	95.0%	98.4%	106%	107%	107%
o-Terphenyl	130 [surr]	107%	102%	95.9%	108%	108%	112%
Total Petroleum Hydrocarbon C6-C35	26.3 mg/kg dry	-	-	-	-	<26.3	-
Total Petroleum Hydrocarbon C6-C35	26.6 mg/kg dry	-	-	<26.6	-	-	-
Total Petroleum Hydrocarbon C6-C35	27.5 mg/kg dry	-	<27.5	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	27.8 mg/kg dry	-	-	-	<27.8	-	-
Total Petroleum Hydrocarbon C6-C35	25.5 mg/kg dry	-	-	-	-	-	<25.5
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	<25.8	-	-	-	-	-

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 3 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

REPORTED: 07/28/21 14:05

LAB #		1G16004-13	1G16004-14	1G16004-15	1G16004-16	1G16004-17	1G16004-18
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	NW-2	NW-3	SW-1	SW-2	SEW	EW
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00102	<0.00108	<0.00101	< 0.00105	<0.00102	<0.00103
Toluene	0.00100 mg/kg dry	<0.00102	<0.00108	<0.00101	<0.00105	<0.00102	<0.00103
Ethylbenzene	0.00100 mg/kg dry	<0.00102	<0.00108	<0.00101	<0.00105	<0.00102	<0.00103
Xylene (p/m)	0.00200 mg/kg dry	<0.00204	<0.00215	<0.00202	<0.00211	<0.00204	<0.00206
Xylene (o)	0.00100 mg/kg dry	<0.00102	<0.00108	<0.00101	<0.00105	<0.00102	<0.00103
1,4-Difluorobenzene	120 [surr]	104%	104%	109%	105%	109%	104%
4-Bromofluorobenzene	120 [surr]	92.4%	91.8%	101%	91.2%	97.9%	91.8%
General Chemistry Paramete	rs by EPA / Standar	d Methods (So	il)				
Chloride	1.00 mg/kg dry	125	104	10.2	48.3	21.1	23.8
% Moisture	0.1 %	2.0	7.0	1.0	5.0	2.0	3.0
Total Petroleum Hydrocarbor	ns C6-C35 by EPA M	ethod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<25.5	<26.9	<25.3	<26.3	<25.5	<25.8
>C12-C28	25.0 mg/kg dry	<25.5	<26.9	<25.3	<26.3	<25.5	<25.8
>C28-C35	25.0 mg/kg dry	<25.5	<26.9	<25.3	<26.3	<25.5	<25.8
1-Chlorooctane	130 [surr]	106%	108%	104%	99.4%	108%	109%
o-Terphenyl	130 [surr]	107%	109%	106%	95.0%	110%	111%
Total Petroleum Hydrocarbon C6-C35	26.3 mg/kg dry	-	-	-	<26.3	-	-
Total Petroleum Hydrocarbon C6-C35	26.9 mg/kg dry	-	<26.9	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.3 mg/kg dry	-	-	<25.3	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.5 mg/kg dry	<25.5	-	-	-	<25.5	-
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	-	-	-	-	-	<25.8

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 4 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

REPORTED:

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

07/28/21 14:05

LAB #		1G16004-19	1G16004-20	1G16004-21	1G16004-22	1G16004-23	1G16004-24
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	WW	SURF-1	SURF-2	SURF-3	SURF-4	SURF-5
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00101	<0.00104	<0.00102	< 0.00103	<0.00101	<0.00105
Toluene	0.00100 mg/kg dry	<0.00101	<0.00104	<0.00102	< 0.00103	<0.00101	<0.00105
Ethylbenzene	0.00100 mg/kg dry	<0.00101	<0.00104	<0.00102	<0.00103	<0.00101	<0.00105
Xylene (p/m)	0.00200 mg/kg dry	<0.00202	<0.00208	<0.00204	<0.00206	<0.00202	<0.00211
Xylene (o)	0.00100 mg/kg dry	<0.00101	<0.00104	<0.00102	< 0.00103	< 0.00101	<0.00105
1,4-Difluorobenzene	120 [surr]	106%	107%	105%	109%	108%	106%
4-Bromofluorobenzene	120 [surr]	94.2%	94.3%	93.4%	97.5%	96.1%	92.6%
General Chemistry Parameters	s by EPA / Standar	d Methods (Soi	I)				
Chloride	1.00 mg/kg dry	39.3	12.5	7.45	11.3	202	92.5
% Moisture	0.1 %	1.0	4.0	2.0	3.0	1.0	5.0
Total Petroleum Hydrocarbons	s C6-C35 by EPA M	ethod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<25.3	<26.0	<25.5	<25.8	<25.3	<26.3
>C12-C28	25.0 mg/kg dry	<25.3	<26.0	<25.5	<25.8	<25.3	<26.3
>C28-C35	25.0 mg/kg dry	<25.3	<26.0	<25.5	<25.8	<25.3	<26.3
1-Chlorooctane	130 [surr]	102%	103%	113%	111%	107%	108%
o-Terphenyl	130 [surr]	104%	106%	116%	114%	110%	109%
Total Petroleum Hydrocarbon C6-C35	26.3 mg/kg dry	-	-	-	-	-	<26.3
Total Petroleum Hydrocarbon C6-C35	25.3 mg/kg dry	<25.3	-	-	-	<25.3	-
Total Petroleum Hydrocarbon C6-C35	25.5 mg/kg dry	-	-	<25.5	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	-	-	-	<25.8	-	-
Total Petroleum Hydrocarbon C6-C35	26.0 mg/kg dry	-	<26.0	-	-	-	-

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 5 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

REPORTED: 07/28/21 14:05

LAB #		1G16004-25	1G16004-26	1G16004-27	1G16004-28	-	-
MATRIX	Minimum	Soil	Soil	Soil	Soil	-	-
SAMPLE ID	Reporting Limit	SURF-6	SURF-7	SURF-8	SURF-9	-	-
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00105	<0.00105	<0.00104	<0.00104	-	-
Toluene	0.00100 mg/kg dry	<0.00105	<0.00105	<0.00104	< 0.00104	-	-
Ethylbenzene	0.00100 mg/kg dry	<0.00105	<0.00105	<0.00104	< 0.00104	-	-
Xylene (p/m)	0.00200 mg/kg dry	<0.00211	<0.00211	<0.00208	<0.00208	-	-
Xylene (o)	0.00100 mg/kg dry	<0.00105	<0.00105	<0.00104	< 0.00104	-	-
1,4-Difluorobenzene	120 [surr]	106%	109%	109%	113%	-	-
4-Bromofluorobenzene	120 [surr]	93.2%	97.1%	96.6%	105%	-	-
General Chemistry Parameter	s by EPA / Standar	d Methods (Soi	il)				
Chloride	1.00 mg/kg dry	55.6	53.5	55.9	74.5	-	-
% Moisture	0.1 %	5.0	5.0	4.0	4.0	-	-
Total Petroleum Hydrocarbon	s C6-C35 by EPA M	ethod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<26.3	<26.3	<26.0	<26.0	-	-
Total Petroleum Hydrocarbon C6-C35	26.3 mg/kg dry	<26.3	<26.3	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	26.0 mg/kg dry	-	-	<26.0	<26.0	-	-
>C12-C28	25.0 mg/kg dry	<26.3	<26.3	<26.0	<26.0	-	-
>C28-C35	25.0 mg/kg dry	<26.3	<26.3	<26.0	<26.0	-	-
1-Chlorooctane	130 [surr]	115%	108%	108%	112%	-	-
o-Terphenyl	130 [surr]	118%	109%	111%	117%	-	-

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 6 of 6

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/13/21 **RECEIVED:** 07-16-202

REPORTED: 07/28/21 14:05

Special Notes

- 1 = Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- 2 = The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- 3 = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 4 = Received on Ice

Permian Basin Environmental Lab, L.P.

Brent Barron

Technical Director

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Page 6 of 6

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Tim McMinn
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: Romeo Fed Com 1H ROW

Project Number: 13445 Location: Lea County, NM

Lab Order Number: 1G16004



Current Certification

Report Date: 07/28/21

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 1.5'	1G16004-01	Soil	07/13/21 07:15	07-16-2021 11:59
BH-2 @ 1.5'	1G16004-02	Soil	07/13/21 07:25	07-16-2021 11:59
BH-3 @ 8"	1G16004-03	Soil	07/13/21 07:30	07-16-2021 11:59
BH-4 @ 8"	1G16004-04	Soil	07/13/21 07:45	07-16-2021 11:59
BH-5 @ 3.5'	1G16004-05	Soil	07/13/21 08:00	07-16-2021 11:59
BH-6 @ 8"	1G16004-06	Soil	07/13/21 08:15	07-16-2021 11:59
BH-7 @ 8"	1G16004-07	Soil	07/13/21 09:13	07-16-2021 11:59
BH-8 @ 3.5'	1G16004-08	Soil	07/13/21 09:00	07-16-2021 11:59
BH-9 @ 7.5'	1G16004-09	Soil	07/13/21 14:00	07-16-2021 11:59
BH-10 @ 6.5'	1G16004-10	Soil	07/13/21 08:25	07-16-2021 11:59
BH-11 @ 5.5'	1G16004-11	Soil	07/13/21 08:30	07-16-2021 11:59
NW-1	1G16004-12	Soil	07/13/21 12:00	07-16-2021 11:59
NW-2	1G16004-13	Soil	07/13/21 13:00	07-16-2021 11:59
NW-3	1G16004-14	Soil	07/13/21 11:15	07-16-2021 11:59
SW-1	1G16004-15	Soil	07/13/21 07:00	07-16-2021 11:59
SW-2	1G16004-16	Soil	07/13/21 11:50	07-16-2021 11:59
SEW	1G16004-17	Soil	07/13/21 11:27	07-16-2021 11:59
EW	1G16004-18	Soil	07/13/21 11:28	07-16-2021 11:59
ww	1G16004-19	Soil	07/13/21 11:00	07-16-2021 11:59
SURF-1	1G16004-20	Soil	07/13/21 07:50	07-16-2021 11:59
SURF-2	1G16004-21	Soil	07/13/21 08:30	07-16-2021 11:59
SURF-3	1G16004-22	Soil	07/13/21 08:15	07-16-2021 11:59
SURF-4	1G16004-23	Soil	07/13/21 08:35	07-16-2021 11:59
SURF-5	1G16004-24	Soil	07/13/21 09:22	07-16-2021 11:59
SURF-6	1G16004-25	Soil	07/13/21 10:05	07-16-2021 11:59
SURF-7	1G16004-26	Soil	07/13/21 10:00	07-16-2021 11:59
SURF-8	1G16004-27	Soil	07/13/21 09:45	07-16-2021 11:59
SURF-9	1G16004-28	Soil	07/13/21 09:52	07-16-2021 11:59

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-1 @ 1.5' 1G16004-01 (Soil)

Analyte	D 1.	Reporting	T T 14	Dilect	D-4 1	D 1	Anclared	Method	NI _n +-
7 mary to	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	iviethod	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-120		P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G1610	07/16/21 14:28	07/17/21 10:46	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	ard Met	hods						
Chloride	8.10	1.03	mg/kg dry	1	P1G2314	07/23/21 17:29	07/26/21 13:54	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 18:38	TPH 8015M	
>C12-C28	90.2	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 18:38	TPH 8015M	
>C28-C35	35.2	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 18:38	TPH 8015M	
Surrogate: 1-Chlorooctane		94.6 %	70-130	<u> </u>	P1G2105	07/20/21 14:00	07/21/21 18:38	TPH 8015M	<u> </u>
Surrogate: o-Terphenyl		101 %	70-130		P1G2105	07/20/21 14:00	07/21/21 18:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	125	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 18:38	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-2 @ 1.5' 1G16004-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		р	aumian D	asin Envi	uonmontal I	ah I D	<u> </u>		
		P	ermian Ba	asın Envi	ronmental L	ab, L.r.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-120		P1G1610	07/16/21 14:28	07/17/21 11:07	EPA 8021B	
	ED. /C/								
General Chemistry Parameters by					D1 G2214	05/02/01 15 00	07/06/01 14 10	EB. 200.0	
Chloride	2.95	1.03	mg/kg dry	1	P1G2314	07/23/21 17:29	07/26/21 14:10	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:00	TPH 8015M	
>C12-C28	35.6	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:00	TPH 8015M	
>C28-C35	27.0	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:00	TPH 8015M	
Surrogate: 1-Chlorooctane		96.9 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:00	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:00	TPH 8015M	
Total Petroleum Hydrocarbon	62.6	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 19:00	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-3 @ 8" 1G16004-03 (Soil)

Analyte	D1	Reporting Limit	Units	Dilution	Data1	Duaman - J	Analyzed	Method	Note
	Result	Limit	Units	Dilution	Batch	Prepared	Allalyzed	Method	note
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-120		P1G1611	07/16/21 14:34	07/19/21 08:36	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	3.73	1.02	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 13:01	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:22	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:22	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:22	TPH 8015M	
Surrogate: 1-Chlorooctane		97.5 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:22	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 19:22	calc	

13000 West County Road 100Project Number: 13445Odessa TX, 79765Project Manager: Tim McMinn

BH-4 @ 8" 1G16004-04 (Soil)

Project: Romeo Fed Com 1H ROW

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	resuit	Liiiit	Jins	Direction	Duten	Tioparea	,		
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.9 %	80-120		P1G1611	07/16/21 14:34	07/19/21 08:56	EPA 8021B	
General Chemistry Parameters by	FDA / Stand	lard Matl	hode						
Chloride	5.32	1.03	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 13:47	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	5-C35 by EPA	\ Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:45	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:45	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 19:45	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:45	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1G2105	07/20/21 14:00	07/21/21 19:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 19:45	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-5 @ 3.5' 1G16004-05 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:17	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	6.85	1.03	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 14:02	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:07	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:07	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:07	TPH 8015M	
Surrogate: 1-Chlorooctane		98.9 %	70-130		P1G2105	07/20/21 14:00	07/21/21 20:07	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1G2105	07/20/21 14:00	07/21/21 20:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 20:07	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-6 @ 8" 1G16004-06 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	onmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.9 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:38	EPA 8021B	
General Chemistry Parameters by 1	EPA / Stand	lard Metl	hods						
Chloride	5.76	1.03	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 14:17	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:29	TPH 8015M	
>C12-C28	27.4	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:29	TPH 8015M	
>C28-C35	27.9	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:29	TPH 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-130	<u> </u>	P1G2105	07/20/21 14:00	07/21/21 20:29	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1G2105	07/20/21 14:00	07/21/21 20:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	55.3	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 20:29	cale	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-7 @ 8" 1G16004-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	resuit				Duten	110pureu			
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	(89.3 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P1G1611	07/16/21 14:34	07/19/21 09:59	EPA 8021B	
General Chemistry Parameters by					P1C2214	07/02/01 17 20	07/04/01 14 22	EBA 200.0	
Chloride	275	5.15	mg/kg dry	5	P1G2314	07/23/21 17:29	07/24/21 14:33	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:52	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:52	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 20:52	TPH 8015M	
Surrogate: 1-Chlorooctane	ļ	98.9 %	70-130		P1G2105	07/20/21 14:00	07/21/21 20:52	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P1G2105	07/20/21 14:00	07/21/21 20:52	TPH 8015M	
Total Petroleum Hydrocarbon	ND	25.8	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 20:52	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-8 @ 3.5' 1G16004-08 (Soil)

		D							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
		P	ermian B	asin Envi	ronmental L	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.6 %	80-120		P1G1611	07/16/21 14:34	07/19/21 10:20	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	9.85	1.10	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 14:48	EPA 300.0	
% Moisture	9.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	27.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 21:14	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 21:14	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P1G2105	07/20/21 14:00	07/21/21 21:14	TPH 8015M	
Surrogate: 1-Chlorooctane		95.0 %	70-130		P1G2105	07/20/21 14:00	07/21/21 21:14	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P1G2105	07/20/21 14:00	07/21/21 21:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/20/21 14:00	07/21/21 21:14	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-9 @ 7.5' 1G16004-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
<u> </u>	resur	Limit		2 Hation	Datell	110purou	,		
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	Ģ	92.1 %	80-120		P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		P1G1611	07/16/21 14:34	07/19/21 10:41	EPA 8021B	
General Chemistry Parameters by Chloride	EPA / Stand	ard Metl	nods mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 15:03	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1G2314 P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6									
C6-C12	ND	26.6	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 14:42	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 14:42	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 14:42	TPH 8015M	
Surrogate: 1-Chlorooctane	9	98.4 %	70-130		P1G2106	07/20/21 15:00	07/22/21 14:42	TPH 8015M	
Surrogate: o-Terphenyl	ģ	95.9 %	70-130		P1G2106	07/20/21 15:00	07/22/21 14:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 14:42	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-10 @ 6.5' 1G16004-10 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental I	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:02	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	164	1.11	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 15:18	EPA 300.0	
% Moisture	10.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	27.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:05	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:05	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:05	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:05	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 15:05	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-11 @ 5.5' 1G16004-11 (Soil)

Analyte	D14	Reporting Limit	Units	Dilution	Datal	D 1	Analyzed	Method	Note
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		105 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:23	EPA 8021B	
General Chemistry Parameters by	FDA / Stand	lard Matl	hode						
Chloride	7.85	1.05	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 15:34	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:27	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:27	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:27	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:27	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 15:27	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

NW-1 1G16004-12 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental I	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.6 %	80-120		P1G1611	07/16/21 14:34	07/19/21 11:44	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	124	1.02	mg/kg dry	1	P1G2314	07/23/21 17:29	07/24/21 15:49	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:50	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:50	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 15:50	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:50	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P1G2106	07/20/21 15:00	07/22/21 15:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 15:50	calc	

13000 West County Road 100 Odessa TX, 79765

Project Number: 13445 Project Manager: Tim McMinn

Project: Romeo Fed Com 1H ROW

NW-2 1G16004-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envii	ronmental L	ab, L.P.			
BTEX by 8021B						•			
Benzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.4 %	80-120		P1G1611	07/16/21 14:34	07/19/21 12:47	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	125	1.02	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 17:20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:12	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:12	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:12	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:12	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 16:12	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

NW-3 1G16004-14 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.8 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:08	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	104	1.08	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 18:06	EPA 300.0	
% Moisture	7.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.9	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:35	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:35	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:35	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:35	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 16:35	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SW-1 1G16004-15 (Soil)

Analyte	D 1	Reporting	TT '4	D'L c'	D . 1	D 1	Amalagad	Method	Note
i marj ce	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	note
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	·	109 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:29	EPA 8021B	
General Chemistry Parameters by	FPA / Stone	lard Mati	hods						
Chloride	10.2	1.01	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 18:22	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:58	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:58	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 16:58	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:58	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1G2106	07/20/21 15:00	07/22/21 16:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 16:58	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SW-2 1G16004-16 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		105 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.2 %	80-120		P1G1611	07/16/21 14:34	07/19/21 13:50	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	48.3	1.05	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 18:37	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.4 %	70-130		P1G2106	07/20/21 15:00	07/22/21 17:20	TPH 8015M	
Surrogate: o-Terphenyl		95.0 %	70-130		P1G2106	07/20/21 15:00	07/22/21 17:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 17:20	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SEW 1G16004-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Kesuit	LIIIII	Ollits	Dilution	Daten	ricpaicu	7 Hidiy Zed	Method	11010
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.9 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:11	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	21.1	1.02	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 18:52	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons Co	5-C35 by EPA	Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:43	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:43	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 17:43	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 17:43	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P1G2106	07/20/21 15:00	07/22/21 17:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 17:43	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

EW 1G16004-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Result	Limit	Omo	Direction	Datell	Tiepared			
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.8 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:33	EPA 8021B	
General Chemistry Parameters by	z EPA / Stand	lard Metl	hods						
Chloride	23.8	1.03	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 19:08	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons Co	6-C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 18:05	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 18:05	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 18:05	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P1G2106	07/20/21 15:00	07/22/21 18:05	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P1G2106	07/20/21 15:00	07/22/21 18:05	TPH 8015M	
Sui roguie. o Terpitetty									

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

WW 1G16004-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.2 %	80-120		P1G1611	07/16/21 14:34	07/19/21 14:54	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	39.3	1.01	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 19:23	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	18015M						
C6-C12	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:12	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:12	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:12	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:12	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 19:12	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-1 1G16004-20 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.3 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:15	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	12.5	1.04	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 19:38	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:35	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:35	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:35	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:35	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 19:35	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-2 1G16004-21 (Soil)

Analyte	D 1	Reporting	TT 14	D'L C	D . 1	D 1	A malayara d	Method	Note
1 mary to	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Meinod	note
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	·	93.4 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		105 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:36	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	7.45	1.02	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 19:54	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:57	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:57	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 19:57	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:57	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P1G2106	07/20/21 15:00	07/22/21 19:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 19:57	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-3 1G16004-22 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G1611	07/16/21 14:34	07/19/21 15:57	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	11.3	1.03	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 20:09	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P1G2106	07/20/21 15:00	07/22/21 20:20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P1G2106	07/20/21 15:00	07/22/21 20:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 20:20	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-4 1G16004-23 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envii	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.1 %	80-120		P1G2003	07/20/21 09:57	07/20/21 12:55	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Metl	hods						
Chloride	202	1.01	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 20:55	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Cotal Petroleum Hydrocarbons C6	-C35 by EP	A Method	18015M						
C6-C12	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:42	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:42	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 20:42	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P1G2106	07/20/21 15:00	07/22/21 20:42	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P1G2106	07/20/21 15:00	07/22/21 20:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 20:42	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-5 1G16004-24 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.6 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:15	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	92.5	1.05	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 21:41	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:04	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:04	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:04	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:04	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 21:04	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-6 1G16004-25 (Soil)

Analyte	D 1	Reporting	T T '4	Diletie.	Datal	D 1	Analyzad	Method	Notes
7 Haiyee	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	ivicinod	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.2 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:36	EPA 8021B	
General Chemistry Parameters by	EDA / Stone	land Matl	hads						
Chloride	55.6	1.05	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 21:56	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:26	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:26	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:26	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:26	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 21:26	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-7 1G16004-26 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.1 %	80-120		P1G2003	07/20/21 09:57	07/20/21 13:57	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	53.5	1.05	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 22:12	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:49	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:49	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 21:49	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:49	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P1G2106	07/20/21 15:00	07/22/21 21:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 21:49	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-8 1G16004-27 (Soil)

Analyte	D 1	Reporting	T T '4	Diletie.	Datal	D 1	Analyzad	Method	Note
7 Haly to	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.6 %	80-120		P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1G2003	07/20/21 09:57	07/20/21 14:18	EPA 8021B	
General Chemistry Parameters by	FDA / Stone	lard Mat	hode						
Chloride	55.9	1.04	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 22:27	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:11	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:11	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:11	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2106	07/20/21 15:00	07/22/21 22:11	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P1G2106	07/20/21 15:00	07/22/21 22:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 22:11	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

SURF-9 1G16004-28 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P1G2003	07/20/21 09:57	07/20/21 15:43	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	74.5	1.04	mg/kg dry	1	P1G2315	07/23/21 17:30	07/24/21 22:42	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1G2007	07/20/21 11:35	07/20/21 11:37	ASTM D2216	
otal Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:33	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:33	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1G2106	07/20/21 15:00	07/22/21 22:33	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		P1G2106	07/20/21 15:00	07/22/21 22:33	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P1G2106	07/20/21 15:00	07/22/21 22:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/20/21 15:00	07/22/21 22:33	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G1610 - *** DEFAULT PREP ***										
Blank (P1G1610-BLK1)				Prepared: ()7/16/21 Aı	nalyzed: 07	//17/21			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.7	80-120			
LCS (P1G1610-BS1)				Prepared: (07/16/21 Aı	nalyzed: 07	//17/21			
Benzene	0.119	0.00100	mg/kg wet	0.100		119	70-130			
Toluene	0.110	0.00100	"	0.100		110	70-130			
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130			
Xylene (p/m)	0.195	0.00200	"	0.200		97.5	70-130			
Xylene (o)	0.103	0.00100	"	0.100		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	80-120			
LCS Dup (P1G1610-BSD1)				Prepared: ()7/16/21 Aı	nalyzed: 07	//17/21			
Benzene	0.120	0.00100	mg/kg wet	0.100		120	70-130	0.627	20	
Toluene	0.110	0.00100	"	0.100		110	70-130	0.528	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130	0.487	20	
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	70-130	0.302	20	
Xylene (o)	0.104	0.00100	"	0.100		104	70-130	0.953	20	
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			
Calibration Blank (P1G1610-CCB1)				Prepared: ()7/16/21 Aı	nalyzed: 07	//17/21			
Benzene	0.00		mg/kg wet	<u> </u>	<u> </u>	·			<u> </u>	·
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G1610 - *** DEFAULT PREP ***										
Calibration Blank (P1G1610-CCB2)				Prepared: 0)7/16/21 Ar	nalyzed: 07	/17/21			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.6	80-120			
Calibration Check (P1G1610-CCV1)				Prepared: 0)7/16/21 Ar	nalyzed: 07	/17/21			
Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.0	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.6	75-125			
Calibration Check (P1G1610-CCV2)				Prepared: 0)7/16/21 Ar	nalyzed: 07	/17/21			
Benzene	0.117	0.00100	mg/kg wet	0.100		117	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		89.8	80-120			
Xylene (o)	0.0983	0.00100	"	0.100		98.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.2	75-125			
Calibration Check (P1G1610-CCV3)				Prepared: 0	07/16/21 Ar	nalyzed: 07	/17/21			
Benzene	0.118	0.00100	mg/kg wet	0.100		118	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.7	80-120			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.4	75-125			

Permian Basin Environmental Lab, L.P.

Surrogate: 1,4-Difluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

75-125

0.120

0.118

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1G1610 - *** DEFAULT PREP ***

Matrix Spike (P1G1610-MS1)	Source	ce: 1G14006	5-10	Prepared: 0	7/16/21 A	nalyzed: 07	//17/21	
Benzene	0.0929	0.00102	mg/kg dry	0.102	ND	91.1	80-120	
Toluene	0.0614	0.00102	"	0.102	ND	60.2	80-120	QM-07
Ethylbenzene	0.0348	0.00102	"	0.102	ND	34.1	80-120	QM-07
Xylene (p/m)	0.0885	0.00204	"	0.204	ND	43.4	80-120	QM-07
Xylene (o)	0.0747	0.00102	"	0.102	ND	73.2	80-120	QM-07
Surrogate: 4-Bromofluorobenzene	0.113		"	0.122		92.5	80-120	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.122		99.3	80-120	

Matrix Spike Dup (P1G1610-MSD1)	Sour	ce: 1G14006	5-10	Prepared: 0	7/16/21 A	nalyzed: 07	7/17/21			
Benzene	0.0911	0.00102	mg/kg dry	0.102	ND	89.3	80-120	1.93	20	
Toluene	0.0521	0.00102	"	0.102	ND	51.0	80-120	16.4	20	QM-07
Ethylbenzene	0.0225	0.00102	"	0.102	ND	22.0	80-120	43.1	20	QM-07
Xylene (p/m)	0.0446	0.00204	"	0.204	ND	21.9	80-120	66.0	20	QM-07
Xylene (o)	0.0780	0.00102	"	0.102	ND	76.4	80-120	4.36	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.111		"	0.122		90.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.122		100	80-120			

Batch P1G1611 - *** DEFAULT PREP ***

Blank (P1G1611-BLK1)		Prepared: 07/16/21 Analyzed: 07/19/21								
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120	90.2	80-120				
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120	102	80-120				

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Apolisto	D aggs-14	Reporting	I I.a.:4-	Spike	Source	0/DEC	%REC	DDD	RPD	N-4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G1611 - *** DEFAULT PREP ***										
LCS (P1G1611-BS1)				Prepared: 0	07/16/21 Aı	nalyzed: 07	/17/21			
Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130			
Toluene	0.107	0.00100	"	0.100		107	70-130			
Ethylbenzene	0.106	0.00100	"	0.100		106	70-130			
Xylene (p/m)	0.191	0.00200	"	0.200		95.5	70-130			
Xylene (o)	0.100	0.00100	"	0.100		100	70-130			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.5	80-120			
LCS Dup (P1G1611-BSD1)				Prepared: 0)7/16/21 Aı	nalyzed: 07	/19/21			
Benzene	0.107	0.00100	mg/kg wet	0.100		107	70-130	9.47	20	
Toluene	0.118	0.00100	"	0.100		118	70-130	9.78	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130	9.35	20	
Xylene (p/m)	0.223	0.00200	"	0.200		112	70-130	15.7	20	
Xylene (o)	0.120	0.00100	"	0.100		120	70-130	17.9	20	
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	80-120			
Calibration Blank (P1G1611-CCB1)				Prepared: 0)7/16/21 Aı	nalyzed: 07	/17/21			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	80-120			
Calibration Blank (P1G1611-CCB2)				Prepared: 0)7/16/21 Aı	nalyzed: 07	/19/21			
Benzene	0.00		mg/kg wet	•						
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.6	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G1611 - *** DEFAULT PREP ***										
Calibration Check (P1G1611-CCV1)				Prepared: ()7/16/21 A	nalyzed: 07	/17/21			
Benzene	0.118	0.00100	mg/kg wet	0.100		118	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.7	80-120			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Calibration Check (P1G1611-CCV2)				Prepared: (07/16/21 A	nalyzed: 07	/19/21			
Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.5	75-125			
Calibration Check (P1G1611-CCV3)				Prepared: (07/16/21 A	nalyzed: 07	/19/21			
Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.0937	0.00100	"	0.100		93.7	80-120			
Ethylbenzene	0.0933	0.00100	"	0.100		93.3	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.4	80-120			
Xylene (o)	0.0881	0.00100	"	0.100		88.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	75-125			
Matrix Spike (P1G1611-MS1)	Sou	ırce: 1G16004	1-03	Prepared: (07/16/21 A	nalyzed: 07	/19/21			
Benzene	0.0888	0.00102	mg/kg dry	0.102	ND	87.0	80-120			
Toluene	0.0579	0.00102	"	0.102	ND	56.7	80-120			QM-
Ethylbenzene	0.0614	0.00102	"	0.102	ND	60.2	80-120			QM-
Xylene (p/m)	0.0203	0.00204	"	0.204	ND	9.93	80-120			QM-
Xylene (o)	0.0817	0.00102	"	0.102	ND	80.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.122		93.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.122		97.4	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G1611 - *** DEFAULT PREP ***										
Matrix Spike Dup (P1G1611-MSD1)	Sou	ırce: 1G16004	-03	Prepared: 0	07/16/21 Ar	nalyzed: 07	/19/21			
Benzene	0.0950	0.00102	mg/kg dry	0.102	ND	93.1	80-120	6.79	20	
Toluene	0.0757	0.00102	"	0.102	ND	74.2	80-120	26.8	20	QM-0
Ethylbenzene	0.0654	0.00102	"	0.102	ND	64.1	80-120	6.16	20	QM-0
Xylene (p/m)	0.0803	0.00204	"	0.204	ND	39.4	80-120	119	20	QM-0
Xylene (o)	0.0873	0.00102	"	0.102	ND	85.6	80-120	6.62	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.122		99.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.122		94.5	80-120			
Batch P1G2003 - *** DEFAULT PREP ***										
Blank (P1G2003-BLK1)				Prepared &	& Analyzed:	07/20/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.4	80-120			
LCS (P1G2003-BS1)				Prepared &	& Analyzed:	07/20/21				
Benzene	0.119	0.00100	mg/kg wet	0.100	· 	119	70-130			
Toluene	0.114	0.00100	"	0.100		114	70-130			
Ethylbenzene	0.115	0.00100	"	0.100		115	70-130			
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130			
Xylene (o)	0.107	0.00100	"	0.100		107	70-130			

0.120

0.120

0.109

0.114

Permian Basin Environmental Lab, L.P.

Surrogate: 4-Bromofluorobenzene Surrogate: 1,4-Difluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

90.6

95.0

80-120

80-120

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
·	Result	Liiilt	Onits	Level	Resuit	/UKEC	Limits	KLD	Lillit	110168
Batch P1G2003 - *** DEFAULT PREP ***										
LCS Dup (P1G2003-BSD1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.120	0.00100	mg/kg wet	0.100		120	70-130	0.259	20	
Toluene	0.116	0.00100	"	0.100		116	70-130	1.85	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	70-130	2.45	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130	2.64	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	1.44	20	
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			
Calibration Blank (P1G2003-CCB1)				Prepared &	: Analyzed:	07/20/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Calibration Blank (P1G2003-CCB2)				Prepared &	: Analyzed:	07/20/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Calibration Blank (P1G2003-CCB3)				Prepared &	: Analyzed:	07/20/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

	D 1	Reporting	***	Spike	Source	0/850	%REC	D.C.	RPD	37
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2003 - *** DEFAULT PREP ***										
Calibration Check (P1G2003-CCV1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Calibration Check (P1G2003-CCV2)				Prepared &	: Analyzed:	07/20/21				
Benzene	0.120	0.00100	mg/kg wet	0.100		120	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.7	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	75-125			
Calibration Check (P1G2003-CCV3)				Prepared &	: Analyzed:	07/20/21				
Benzene	0.118	0.00100	mg/kg wet	0.100		118	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.4	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	75-125			
Matrix Spike (P1G2003-MS1)	Sou	ırce: 1G16004	1-23	Prepared &	: Analyzed:	07/20/21				
Benzene	0.0971	0.00101	mg/kg dry	0.101	ND	96.1	80-120			
Toluene	0.0847	0.00101	"	0.101	ND	83.9	80-120			
Ethylbenzene	0.0834	0.00101	"	0.101	ND	82.6	80-120			
Xylene (p/m)	0.147	0.00202	"	0.202	ND	72.9	80-120			QM-
Xylene (o)	0.0762	0.00101	"	0.101	ND	75.4	80-120			QM-
Surrogate: 4-Bromofluorobenzene	0.111		"	0.121		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.121		97.4	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1G2003 - *** DEFAULT PREP ***

Matrix Spike Dup (P1G2003-MSD1)	Sour	ce: 1G16004	1-23	Prepared &	Analyzed:	07/20/21			
Benzene	0.107	0.00101	mg/kg dry	0.101	ND	106	80-120	9.80	20
Toluene	0.0938	0.00101	"	0.101	ND	92.8	80-120	10.1	20
Ethylbenzene	0.0934	0.00101	"	0.101	ND	92.5	80-120	11.3	20
Xylene (p/m)	0.165	0.00202	"	0.202	ND	81.6	80-120	11.3	20
Xylene (o)	0.0847	0.00101	"	0.101	ND	83.9	80-120	10.6	20
Surrogate: 1,4-Difluorobenzene	0.121		"	0.121		100	80-120		
Surrogate: 4-Bromofluorobenzene	0.116		"	0.121		95.4	80-120		

13000 West County Road 100 Project Num Odessa TX, 79765 Project Mana

Project Number: 13445 Project Manager: Tim McMinn

Project: Romeo Fed Com 1H ROW

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2007 - *** DEFAULT PREP ***										
Blank (P1G2007-BLK1)				Prepared &	k Analyzed:	07/20/21				
% Moisture	ND	0.1	%							
Blank (P1G2007-BLK2)				Prepared &	k Analyzed:	07/20/21				
% Moisture	ND	0.1	%							
Duplicate (P1G2007-DUP1)	Sour	rce: 1G16004	-07	Prepared &	k Analyzed:	07/20/21				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P1G2007-DUP2)	Sour	rce: 1G16004	-17	Prepared &	k Analyzed:	07/20/21				
% Moisture	1.0	0.1	%		2.0			66.7	20	
Duplicate (P1G2007-DUP3)	Sour	rce: 1G16006	-04	Prepared &	ե Analyzed:	07/20/21				
% Moisture	1.0	0.1	%	·	1.0	·	·	0.00	20	
Duplicate (P1G2007-DUP4)	Sour	rce: 1G19001	-05	Prepared & Analyzed: 07/20/21						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Batch P1G2314 - *** DEFAULT PREP ***										
LCS (P1G2314-BS1)				Prepared: (07/23/21 A	nalyzed: 07	7/24/21			
Chloride	425	1.00	mg/kg wet	400		106	90-110			
LCS Dup (P1G2314-BSD1)				Prepared: (07/23/21 A	nalyzed: 07	7/26/21			
Chloride	440	1.00	mg/kg wet	400		110	90-110	3.47	20	
Calibration Check (P1G2314-CCV1)				Prepared: (07/23/21 A	nalyzed: 07	//24/21			
Chloride	19.3		mg/kg	20.0		96.6	90-110			

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445
Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2314 - *** DEFAULT PREP ***										
Calibration Check (P1G2314-CCV2)				Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Calibration Check (P1G2314-CCV3)				Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	19.9		mg/kg	20.0		99.3	90-110			
Matrix Spike (P1G2314-MS1)	Sour	ce: 1G15013	3-31	Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	8300	26.9	mg/kg dry	2690	6430	69.4	80-120			QM-07
Matrix Spike (P1G2314-MS2)	Sour	ce: 1G16004	1-03	Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	477	1.02	mg/kg dry	510	3.73	92.8	80-120			
Matrix Spike Dup (P1G2314-MSD1)	Sour	ce: 1G15013	3-31	Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	8360	26.9	mg/kg dry	2690	6430	71.5	80-120	0.655	20	QM-07
Matrix Spike Dup (P1G2314-MSD2)	Sour	ce: 1G16004	1-03	Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	466	1.02	mg/kg dry	510	3.73	90.5	80-120	2.51	20	
Batch P1G2315 - *** DEFAULT PREP ***										
Blank (P1G2315-BLK1)				Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	ND	1.00	mg/kg wet	-		-				
LCS (P1G2315-BS1)				Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	409	1.00	mg/kg wet	400		102	90-110			
LCS Dup (P1G2315-BSD1)				Prepared:	07/23/21 A	nalyzed: 07	//24/21			
Chloride	413	1.00	mg/kg wet	400		103	90-110	0.984	20	

13000 West County Road 100 Pro Odessa TX, 79765 Pro

Project: Romeo Fed Com 1H ROW

Project Number: 13445
Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source	e	%REC		RPD	
Analyte	Result	Limit	Units	Level	Resul	t %REC	Limits	RPD	Limit	Notes
Batch P1G2315 - *** DEFAULT PREP ***										
Calibration Check (P1G2315-CCV1)				Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	19.9		mg/kg	20.0		99.3	90-110			
Calibration Check (P1G2315-CCV2)				Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	19.7		mg/kg	20.0		98.5	90-110			
Calibration Check (P1G2315-CCV3)				Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	19.8	·	mg/kg	20.0		99.2	90-110		·	
Matrix Spike (P1G2315-MS1)	Sour	ce: 1G16004	-13	Prepared: (07/23/21	Analyzed: 0	7/24/21			
Chloride	607	1.02	mg/kg dry	510	125	94.5	80-120			
Matrix Spike (P1G2315-MS2)	Sour	ce: 1G16004	-23	Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	671	1.01	mg/kg dry	505	202	92.9	80-120			
Matrix Spike Dup (P1G2315-MSD1)	Sour	ce: 1G16004	-13	Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	603	1.02	mg/kg dry	510	125	93.8	80-120	0.570	20	
Matrix Spike Dup (P1G2315-MSD2)	Sour	ce: 1G16004	-23	Prepared: (07/23/21	Analyzed: 0'	7/24/21			
Chloride	667	1.01	mg/kg dry	505	202	92.1	80-120	0.595	20	

Project: Romeo Fed Com 1H ROW
Project Number: 13445

13000 West County Road 100 Odessa TX, 79765 Project Number: 13445
Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2105 - TX 1005										
Blank (P1G2105-BLK1)				Prepared: (07/20/21 A	nalyzed: 07	/21/21			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	93.1		"	100		93.1	70-130			
Surrogate: o-Terphenyl	49.3		"	50.0		98.6	70-130			
LCS (P1G2105-BS1)				Prepared: (07/20/21 A	nalyzed: 07	/21/21			
C6-C12	1070	25.0	mg/kg wet	1000		107	75-125			
>C12-C28	859	25.0	"	1000		85.9	75-125			
Surrogate: 1-Chlorooctane	96.6		"	100		96.6	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			
LCS Dup (P1G2105-BSD1)				Prepared: (07/20/21 A	nalyzed: 07	/21/21			
C6-C12	1060	25.0	mg/kg wet	1000		106	75-125	0.669	20	
>C12-C28	849	25.0	"	1000		84.9	75-125	1.22	20	
Surrogate: 1-Chlorooctane	95.8		"	100		95.8	70-130			
Surrogate: o-Terphenyl	53.1		"	50.0		106	70-130			
Calibration Check (P1G2105-CCV2)				Prepared: (07/20/21 A	nalyzed: 07	/21/21			
C6-C12	490	25.0	mg/kg wet	500		98.0	85-115			
>C12-C28	451	25.0	"	500		90.2	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	49.9		"	50.0		99.7	70-130			
Matrix Spike (P1G2105-MS1)	Sou	rce: 1G15010	6-01	Prepared: (07/20/21 A	nalyzed: 07	/21/21			
C6-C12	1020	26.6	mg/kg dry	1060	22.9	93.7	75-125			
>C12-C28	888	26.6	"	1060	475	38.8	75-125			QM-05
Surrogate: 1-Chlorooctane	126		"	106		118	70-130			
Surrogate: o-Terphenyl	44.6		"	53.2		83.8	70-130			

Permian Basin Environmental Lab, L.P.

Project Number: 13445 Project Manager: Tim McMinn

13000 West County Road 100 Odessa TX, 79765

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Project: Romeo Fed Com 1H ROW

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2105 - TX 1005										
Matrix Spike Dup (P1G2105-MSD1)	Sou	rce: 1G15016	5-01	Prepared: (07/20/21 A	nalyzed: 07	//21/21			
C6-C12	1010	26.6	mg/kg dry	1060	22.9	93.0	75-125	0.705	20	
>C12-C28	864	26.6	"	1060	475	36.6	75-125	5.86	20	QM-05
Surrogate: 1-Chlorooctane	126		"	106		118	70-130			
Surrogate: o-Terphenyl	49.0		"	53.2		92.0	70-130			
Batch P1G2106 - TX 1005										
Blank (P1G2106-BLK1)				Prepared: (07/20/21 A	nalyzed: 07	//22/21			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	96.9		"	100		96.9	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		95.9	70-130			
LCS (P1G2106-BS1)				Prepared: (07/20/21 A	nalyzed: 07	//22/21			
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125			
>C12-C28	1040	25.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		99.9	70-130			
LCS Dup (P1G2106-BSD1)				Prepared: (07/20/21 A	nalyzed: 07	//22/21			
C6-C12	1090	25.0	mg/kg wet	1000		109	75-125	0.765	20	
>C12-C28	1050	25.0	"	1000		105	75-125	0.531	20	
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			
Calibration Check (P1G2106-CCV1)				Prepared: (07/20/21 A	nalyzed: 07	//22/21			
C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	542	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	50.2		"	50.0		100	70-130			

13000 West County Road 100Project Number: 13445Odessa TX, 79765Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Project: Romeo Fed Com 1H ROW

	D 1:	Reporting		Spike	Source	N/DEG	%REC	DDD	RPD	37.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2106 - TX 1005										
Calibration Check (P1G2106-CCV2)				Prepared:	07/20/21 A	nalyzed: 07	//22/21			
C6-C12	504	25.0	mg/kg wet	500		101	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	70-130			
Matrix Spike (P1G2106-MS1)	Sou	rce: 1G16004	4-28	Prepared:	07/20/21 A	nalyzed: 07	//22/21			
C6-C12	1140	26.0	mg/kg dry	1040	13.5	108	75-125			
>C12-C28	1090	26.0	"	1040	12.4	103	75-125			
Surrogate: 1-Chlorooctane	110		"	104		106	70-130			
Surrogate: o-Terphenyl	54.7		"	52.1		105	70-130			
Matrix Spike Dup (P1G2106-MSD1)	Sou	rce: 1G16004	4-28	Prepared:	07/20/21 A	nalyzed: 07	//22/21			
C6-C12	1140	26.0	mg/kg dry	1040	13.5	108	75-125	0.339	20	
>C12-C28	1060	26.0	"	1040	12.4	101	75-125	2.35	20	
Surrogate: 1-Chlorooctane	110		"	104		105	70-130			
Surrogate: o-Terphenyl	56.1		"	52.1		108	70-130			

13000 West County Road 100

Odessa TX, 79765

Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

Notes and Definitions

ROI Received on Ice

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were

within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Brew	Darron			
Report Approved By:			Date:	7/28/2021	

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

Permian Basin Environmental Lab, L.P.

Volatiles Semivolatiles

RCI N.O.R.M. Chlorides E 300

Standard TAT

TEX 8021B 5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Released to Imaging: 3/1/2022 11:17:34 AM

2 Z Z Z Z Z Z Z

4

4

pon Receipt

Page 48 of 50

TRRP

☐ NPDES

Page 1 of 3

Relinquished by:

Date

12:56

Received by:

Received by:

Oate

Sample Hand Delivered

by Sampler/Client Rec

Custody seats on cooler(s)

Labets on container(s) Custody seals on container(s)

222222

Sample Containers Intact?

_aboratory Comments:

4

4

VOCs Free of Headspace?

Received

Date

Special Instructions:
Bill to Centennial Resource

Suct-

3 EW いかと

7/13/21 7/13/21

7/13/21

1100

054

7/13/21 7/13/21

1150 127 128

7/13/21 7/13/21

700 21.15 1300 1200 0 E B

7/13/21 113/21

SW-1

SW-2

NW-2

NW-3

NW-1

134-1160

FIELD CODE

	CONTRACTOR OF THE PROPERTY OF
	Secretary Contractors
	200 A CONTRACTOR OF THE PARTY O
	994453666 - 10045566 55.41
	CONTRACTOR TO THE PROPERTY OF THE PARTY OF T
	CONTRACTOR TO THE PROPERTY OF THE PARTY OF T
	SERVICE
	525 Carlot 100 Carlot
	X3000000000000000000000000000000000000
	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	20 00 00 00 00 00 00 00 00 00 00 00 00 0
	266 CONTROL - 1895 CO. (1)
	STREET SHEET, STREET
	2000 CONTRACTOR (CONTRACTOR (C
	200
TT .	
•	MARINES WAS IN ASSIST
3	THE REPORT OF THE PARTY OF THE
~	200 mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	200000000 SST SST SS
-	CONTRACTOR CONTRACTOR CONTRACTOR
n	TATELON TO THE PARTY OF THE PAR
	200 A 100 A
-	CONTRACT Co. 1603//
.1	TO SECURE 2011 11 12 12 12 12 12 12 12 12 12 12 12 1
	400000000000000000000000000000000000000
	200 200 1 Sthat 201 3
23 1.	CONDESSOR 1800 1800 1800 1800 1800 1800 1800 180
•	25 PR
	Property Comments of the Comme
"	2000
	STATE OF THE STATE
-	CONTRACT CONTRACT OF STATE OF
	SAME AND THE STATE OF THE STATE
11	200200000000000000000000000000000000000
	Company of the Compan
`	CONTRACTOR STREET, STR
7	温度機能 ご 英田をお かべる
т.	50000000000000000000000000000000000000
,	A CONTRACTOR
Project Wanager	CONTRACTOR OF THE PARTY.
7	700000 300021
	CONTROL OF THE PROPERTY OF THE PARTY OF THE
	AND THE PROPERTY OF THE PARTY O
	STATE OF THE PROPERTY OF THE P
	36300001 3330000000000000000000000000000
	5550000E
1	Signature State Control
_	Description with the State of
=:	2000 May 100 100 100 100 100 100 100 100 100 10
3	CONTROL OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF T
3 .	1000000 April 10000000
] 8	ASSESSMENT CHES. CONT.
	CONTROL OF THE PROPERTY OF THE
_	1/4 PER
aa .	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Midland, Texas 79706 Permian Basin Environmental Lab, LP 10014 S. County Road 1213

f 50

Project Name:	Cent
Romeo	Contennal
Fed	Phone: 432-661-4184
COM 1H	

P0#	Project Loc:	Project #:
50501	Lea County	13445
	NM	

	(O)	
	ᆱ	
	_	
	г	7
	-	
	\exists	
	70	
	콨	
	U	
		٦.
		J
	>	
	₻	
	Ō	
	IPDES	
	ŝ	

X Standard	☐ TRRP	NPDES

Report Format:

Ze

CLS:

(lab use only) ORDER #:

616004

Sampler Signature:

City/State/Zip:

Odessa, Texas 79765

Telephone No:

(432)230-3763

Fax No:

e-mail:

tim(wetecheny com

Matt@etechenv.com

Company Address: 13000 W CR 100

Company Name

Etech Environmental and Safety Solutions, Inc.

LAB# (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered Fotal #. of Containers

Other (Specify)

418.1

DW=Drinking Water SL=Sludge

TX 1005 Ext

Anions (CI, SO4, Alkalinity)

Metals: As Ag Ba Cd Cr Pb Hg Se

BTEX 8021B 6030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Cations (Ca, Mg, Na, K)

SAR / ESP / CEC

Volatiles

RCI N.O.R.M.

Semivolaliles

Chlorides E 300

Standard TAT

(8015M

8015E

TX 1006

ice

HNO₃ HCI H₂SO₄ NaOH Na₂S₂O₃ None

Ou	
Page 49	o

D -1 1 4 -	T	2/1/2022	11.17.27	434
Released to	<i>imaging:</i>	3/1/2022	11:1/:34	AM

Relinquished by

Mula 11:59

15:7

Received by:

Date

ime

Sample Hand Delivered

by Sampler/Client Rep

Custody seals on coolen(s) Labels on container(s)
Custody seals on container(s)

222222

Received by:

Bill to Centennial Resource Special Instructions:

28

Wff - 9

Sucf-Suff-6 Surt-5

Surf-8

7/13/2/

5H6

952

7/13/21 7/13/21

1000

1005

15/21/4

172 588

7/12/21 12/21/4 7/12/21

> 2.00 830

Project Manager: Tim McMinr		
13		
[≩	23.00 C 20.00	
18		
12		

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Midland, Texas 79706 10014 S. County Road 1213 Permian Basin Environmental Lab, LP

	•	
\sim		
	•	
`		
_	•	
•		
Ś		
_		
~		
~		
-	_	
. 1	•	
-		
- (-		
•		
~ 5		
~		
- **		
~		
-2		
•	•	
	, .	
•	-	
	·	
•	-	
_		
	a	
	~	
	=======================================	
	7	
	1117	

Page 3 of 3

	en	•
>	her	
	2	Phon
7		le: 432-66
1		7
•		8

Project #: 13445	R	2	4	Com	Lea County, NO	Project Loc:
				541	131	Project #:_
	RO	H	COM	Fel	Romo	roject Name:

Project Nan

X Standard	5050	Lea C
☐ TRRP	2)	County
NPDES		New

PO #:

্র Standard	50Sc	
TRRP)) ;	
NPDES		

Report Format:	
X Standard	
☐ TRRP	
NPDES	

GW = Groundwater S=Soil/Soild					
NP=Non-Potable Specify Other					
TPH: 418.1 (8015M) 8015B					
TPH: TX 1005 Exi TX 1006	-				
Cations (Ca, Mg, Na, K)					
Anions (Cl, SO4, Alkalinity)	링	-1			
SAR / ESP / CEC	TATO	ICLP:			
Metals: As Ag Ba Cd Cr Pb Hg Se			Ž		
Volatiles			aly.		
Semivolatiles			ze F		
BTEX 8021B(\$)030 or BTEX 8260			For:		
RCI					
N.O.R.M.					
Chlorides E 300					
				٠.	
RUSH TAT (Pre-Schedule) 24, 48,	72 t	175			

ORDER # (lab use only

Sampler Signature:

City/State/Zip:

Odessa, Texas 79765

Telephone No:

(432)230-3763

Fax No:

e-mail:

tim@etecheny com

Matt@etechenv.com

Company Address: 13000 W CR 100

Company Name

Etech Environmental and Safety Solutions, Inc.

LÅB增(lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

DW=Drinking Water SL=Sludge

Field Filtered

Ice HNO₃ HCI H₂SO₄ NaOH Na₂S₂O₃

None Other (Specify)

Standard TAT

NP=Non-Potable Specify Other	L			
TPH: 418.1 (8015M) 8015B		AUG SA		
TPH: TX 1005 Exi TX 1006				
Cations (Ca, Mg, Na, K)				
Anions (CI, SO4, Alkalinity)	ö	7		
SAR / ESP / CEC	TOTAL:	Ġ		
Metals: As Ag Ba Cd Cr Pb Hg Se			₽	
/olatiles			maly	
Semivolatiles			6	
STEX 8021B(\$030 or BTEX 8260			For	
RCI				
N.O.R.M.				
Chlorides E 300				

	6		1		1	i	1	1.		NP=Non-Potable Specify Other	1		
	ATTEN MAKENER	No. of the local	4	1111111111	 2.702	TO SERVICE		- Control of the Cont	×	TPH: 418.1 (8015M) 8015B			
							İ			TPH: TX 1005 Exi TX 1006			
Ę,										Cations (Ca, Mg, Na, K)			
Laboratory										Anions (Cl. SO4, Alkalinity)	히	-	
69										SAR / ESP / CEC	P	Ġ.	
										Metals: As Ag Ba Cd Cr Pb Hg Se			≥
THE ST		***************************************								Volatiles			Analyze
Comments									Ī.	Semivolatiles			
άij			4	_	 			-	X	BTEX 8021B) 030 or BTEX 8260	П		For
				-						RCI			
- 1										N.O.R.M.		7	
_			4						×	Chlorides E 300			
_)					 	l		l	(l

282

Surf - 4 Surf-3

Suct-2

FIELD CODE

					4.1
Released to	Imaging:	3/1/20	22 11:	17:34	AM

Sample Containers Intact?

VOCs Free of Headspace?



SUMMARY REPORT

1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 1 of 3

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07-20-202 **RECEIVED:**

07/14/21

REPORTED: 08/02/21 21:28

LAB #		1G20003-01	1G20003-02	1G20003-03	1G20003-04	1G20003-05	1G20003-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BH-12 @ 8"	BH-13 @ 8"	BH-14 @ 6"	BH-15 @ 6"	BH-16 @ 6"	NW-4 @ 3'
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00106	<0.00110	< 0.00109	< 0.00106	<0.00103	<0.00103
Toluene	0.00100 mg/kg dry	<0.00106	<0.00110	< 0.00109	< 0.00106	<0.00103	<0.00103
Ethylbenzene	0.00100 mg/kg dry	<0.00106	<0.00110	< 0.00109	< 0.00106	<0.00103	<0.00103
Xylene (p/m)	0.00200 mg/kg dry	<0.00213	<0.00220	<0.00217	< 0.00213	<0.00206	<0.00206
Xylene (o)	0.00100 mg/kg dry	<0.00106	<0.00110	< 0.00109	<0.00106	<0.00103	<0.00103
1,4-Difluorobenzene	120 [surr]	108%	113%	110%	112%	108%	107%
4-Bromofluorobenzene	120 [surr]	94.6%	102%	99.0%	98.7%	101%	98.1%
General Chemistry Parameter Chloride	s by EPA / Standard 1.00 mg/kg dry	d Methods (Soi	il) 5.36	5.53	23.8	5.78	227
% Moisture	0.1 %	6.0	9.0	8.0	6.0	3.0	3.0
Total Petroleum Hydrocarbons	s C6-C35 by EPA Mo	ethod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<26.6	<27.5	<27.2	<26.6	<25.8	<25.8
>C12-C28	25.0 mg/kg dry	33.0	<27.5	<27.2	<26.6	<25.8	<25.8
>C28-C35	25.0 mg/kg dry	<26.6	<27.5	<27.2	<26.6	<25.8	<25.8
1-Chlorooctane	130 [surr]	108%	109%	111%	108%	113%	114%
o-Terphenyl	130 [surr]	113%	115%	116%	115%	119%	120%
Total Petroleum Hydrocarbon C6-C35	26.6 mg/kg dry	33.0	-	-	<26.6	-	-
Total Petroleum Hydrocarbon C6-C35	27.2 mg/kg dry	-	-	<27.2	-	-	-
Total Petroleum Hydrocarbon C6-C35	27.5 mg/kg dry	-	<27.5	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	-	-	-	-	<25.8	<25.8

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Technical Director



SUMMARY REPORT

1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 2 of 3

E Tech Enviro	nmental & Safet	y Solutions, Inc.		Project	Romeo Fed Com 1H ROV	N	
13000 West Co	unty Road 100			Project Number	13445		
Odessa TX, 797	'65			Project Manager	Tim McMinn		
SAMPLED: RECEIVED:	07/14/21 07-20-202			REPORTED:	08/02/21 21:28		
LAB #			1G20003-07	1G20003-08		-	-
MATRIX		Minimum	Soil	Soil		-	-
SAMPLE ID		Reporting Limit	WW-2 @ 3'	BH-17 @ 8"		-	-
BTEX by 80211	B (Soil)						
Benzene		0.00100 mg/kg dry	<0.00108	<0.00108		-	-
Toluene		0.00100 mg/kg dry	<0.00108	<0.00108		-	-
Ethylbenzene		0.00100 mg/kg dry	<0.00108	<0.00108		-	-
Xylene (p/m)		0.00200 mg/kg dry	<0.00215	<0.00215		-	-
Xylene (o)		0.00100 mg/kg dry	<0.00108	<0.00108		-	-
1,4-Difluorobenzen	e	120 [surr]	107%	110%		-	-
4-Bromofluorobenz	ene	120 [surr]	98.6%	102%		-	-
General Chemi	istry Paramete	rs by EPA / Standard	Methods (Soi	I)			
Chloride		1.00 mg/kg dry	98.3	105		-	-
% Moisture		0.1 %	7.0	7.0		-	-
Total Petroleu	m Hydrocarbor	ns C6-C35 by EPA Me	thod 8015M (Soil)			
C6-C12		25.0 mg/kg dry	<26.9	<26.9		-	-
>C12-C28		25.0 mg/kg dry	<26.9	<26.9		-	-
>C28-C35		25.0 mg/kg dry	<26.9	<26.9		-	-
1-Chlorooctane		130 [surr]	113%	114%		-	-
o-Terphenyl		130 [surr]	119%	121%		-	-

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Total Petroleum Hydrocarbon C6-C35

Technical Director

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

<26.9

<26.9

26.9 mg/kg dry



SUMMARY REPORT

1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 3 of 3

E Tech Environmental & Safety Solutions, Inc.

Project Number: 13445

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 07/14/21 07-20-202 **REPORTED:** 08/02/21 21:28

Special Notes

RECEIVED:

- 1 = Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- = The RPD exceeded the acceptance limit. 3
- = The RPD exceeded the acceptance limit due to sample matrix effects.
- = Received on Ice

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Technical Director

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Tim McMinn
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: Romeo Fed Com 1H ROW

Project Number: 13445 Location: Lea County, NM

Lab Order Number: 1G20003



Current Certification

Report Date: 08/02/21

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-12 @ 8"	1G20003-01	Soil	07/14/21 10:17	07-20-2021 11:17
BH-13 @ 8"	1G20003-02	Soil	07/14/21 10:53	07-20-2021 11:17
BH-14 @ 6"	1G20003-03	Soil	07/14/21 12:00	07-20-2021 11:17
BH-15 @ 6"	1G20003-04	Soil	07/14/21 13:00	07-20-2021 11:17
BH-16 @ 6"	1G20003-05	Soil	07/14/21 07:02	07-20-2021 11:17
NW-4 @ 3'	1G20003-06	Soil	07/14/21 14:00	07-20-2021 11:17
WW-2 @ 3'	1G20003-07	Soil	07/14/21 13:00	07-20-2021 11:17
BH-17 @ 8"	1G20003-08	Soil	07/14/21 13:25	07-20-2021 11:17

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-12 @ 8" 1G20003-01 (Soil)

Analyte	D 1	Reporting	TT '4	D'1 4'	D 4 1	D 1	Amalugad	Mathad	Na+
rmaryte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.6 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:12	EPA 8021B	
General Chemistry Parameters by 1	EPA / Stand	lard Metl	nods						
Chloride	13.9	1.06	mg/kg dry	1	P1G2703	07/27/21 12:58	07/27/21 22:27	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA	A Method	8015M						
C6-C12	ND	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:03	TPH 8015M	
>C12-C28	33.0	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:03	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:03	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:03	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	33.0	26.6	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 14:03	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-13 @ 8" 1G20003-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:33	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	5.36	1.10	mg/kg dry	1	P1G2703	07/27/21 12:58	07/27/21 22:42	EPA 300.0	
% Moisture	9.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP.	A Method	8015M						
C6-C12	ND	27.5	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:25	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:25	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:25	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:25	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 14:25	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-14 @ 6" 1G20003-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Kesuit	LIIIII	Omis	Dilution	Dattii	ricpaicu	7 Hidiy 2cd	Wichiod	11010
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.0 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1G2004	07/20/21 12:47	07/21/21 06:54	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	5.53	1.09	mg/kg dry	1	P1G2703	07/27/21 12:58	07/27/21 22:57	EPA 300.0	
% Moisture	8.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons Co	5-C35 by EPA	Method	8015M						
C6-C12	ND	27.2	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:48	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:48	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 14:48	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:48	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P1G2206	07/22/21 09:00	07/23/21 14:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 14:48	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-15 @ 6" 1G20003-04 (Soil)

Analyte		Reporting						36.4.1	37.
Anaryte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.7 %	80-120		P1G2004	07/20/21 12:47	07/21/21 07:14	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	23.8	1.06	mg/kg dry	1	P1G2703	07/27/21 12:58	07/27/21 23:13	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:11	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:11	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:11	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P1G2206	07/22/21 09:00	07/23/21 15:11	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P1G2206	07/22/21 09:00	07/23/21 15:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 15:11	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-16 @ 6" 1G20003-05 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envii	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1G2202	07/22/21 09:07	07/22/21 13:56	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Metl	hods						
Chloride	5.78	1.03	mg/kg dry	1	P1G2703	07/27/21 12:58	07/27/21 23:28	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:34	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:34	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 15:34	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P1G2206	07/22/21 09:00	07/23/21 15:34	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P1G2206	07/22/21 09:00	07/23/21 15:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 15:34	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

NW-4 @ 3' 1G20003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		n	D	: E:		•	·		
		P	ermian B	asın Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.1 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:17	EPA 8021B	
Can anal Chamistur Danamatans ha	· EDA / Stand	land Mati	hada						
General Chemistry Parameters by Chloride	<u> 227 227 227 227 227 227 227 227 227 22</u>	1.03	mg/kg dry	1	P1G2703	07/27/21 12:58	07/28/21 00:14	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons Co	5-C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 16:42	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 16:42	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 16:42	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P1G2206	07/22/21 09:00	07/23/21 16:42	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P1G2206	07/22/21 09:00	07/23/21 16:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 16:42	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

WW-2 @ 3' 1G20003-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.6 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:38	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	98.3	1.08	mg/kg dry	1	P1G2703	07/27/21 12:58	07/28/21 01:00	EPA 300.0	
% Moisture	7.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	A Method	8015M						
C6-C12	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:04	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:04	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:04	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P1G2206	07/22/21 09:00	07/23/21 17:04	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P1G2206	07/22/21 09:00	07/23/21 17:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 17:04	cale	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-17 @ 8" 1G20003-08 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1G2202	07/22/21 09:07	07/22/21 14:59	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	105	1.08	mg/kg dry	1	P1G2703	07/27/21 12:58	07/28/21 01:15	EPA 300.0	
% Moisture	7.0	0.1	%	1	P1G2211	07/22/21 14:47	07/22/21 14:55	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:27	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:27	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1G2206	07/22/21 09:00	07/23/21 17:27	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P1G2206	07/22/21 09:00	07/23/21 17:27	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-130		P1G2206	07/22/21 09:00	07/23/21 17:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/22/21 09:00	07/23/21 17:27	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G2004 - *** DEFAULT PREP *	**									
Blank (P1G2004-BLK1)				Prepared &	Analyzed:	07/20/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.2	80-120			
LCS (P1G2004-BS1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.119	0.00100	mg/kg wet	0.100		119	70-130			
Toluene	0.107	0.00100	"	0.100		107	70-130			
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130			
Kylene (p/m)	0.190	0.00200	"	0.200		95.2	70-130			
Kylene (o)	0.100	0.00100	"	0.100		100	70-130			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.5	80-120			
LCS Dup (P1G2004-BSD1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.116	0.00100	mg/kg wet	0.100		116	70-130	2.44	20	
Toluene	0.101	0.00100	"	0.100		101	70-130	6.25	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130	7.02	20	
Xylene (p/m)	0.178	0.00200	"	0.200		89.2	70-130	6.45	20	
Xylene (o)	0.0927	0.00100	"	0.100		92.7	70-130	8.01	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.2	80-120			
Calibration Blank (P1G2004-CCB1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.00		mg/kg wet			<u> </u>		<u> </u>		
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Kylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

Surrogate: 4-Bromofluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

98.8

80-120

0.120

0.119

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G2004 - *** DEFAULT PREP ***										
Calibration Blank (P1G2004-CCB2)				Prepared: ()7/20/21 Ar	nalyzed: 07	/21/21			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Calibration Check (P1G2004-CCV1)				Prepared &	Analyzed:	07/20/21				
Benzene	0.118	0.00100	mg/kg wet	0.100		118	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.4	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.9	75-125			
Calibration Check (P1G2004-CCV2)				Prepared: (07/20/21 Aı	nalyzed: 07	/21/21			
Benzene	0.120	0.00100	mg/kg wet	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.7	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.5	75-125			
Calibration Check (P1G2004-CCV3)				Prepared: ()7/20/21 Ar	nalyzed: 07	/21/21			
Benzene	0.120	0.00100	mg/kg wet	0.100		120	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	75-125			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1G2004 - *** DEFAULT PREP ***

Matrix Spike (P1G2004-MS1)	Sour	ce: 1G19004	-07	Prepared: 0	7/20/21 A	nalyzed: 07	7/21/21	
Benzene	0.117	0.00110	mg/kg dry	0.110	ND	106	80-120	
Toluene	0.0770	0.00110	"	0.110	ND	70.0	80-120	QM-07
Ethylbenzene	0.0219	0.00110	"	0.110	ND	20.0	80-120	QM-07
Xylene (p/m)	0.0790	0.00220	"	0.220	ND	36.0	80-120	QM-07
Xylene (o)	0.0833	0.00110	"	0.110	ND	75.8	80-120	QM-07
Surrogate: 1,4-Difluorobenzene	0.138		"	0.132		105	80-120	
Surrogate: 4-Bromofluorobenzene	0.133		"	0.132		101	80-120	

Matrix Spike Dup (P1G2004-MSD1)	Sour	ce: 1G19004	I-07	Prepared: 0	7/20/21 A	nalyzed: 07	7/21/21			
Benzene	0.114	0.00110	mg/kg dry	0.110	ND	103	80-120	2.96	20	
Toluene	0.0727	0.00110	"	0.110	ND	66.2	80-120	5.71	20	QM-07
Ethylbenzene	0.0106	0.00110	"	0.110	ND	9.64	80-120	69.7	20	QM-07, R2
Xylene (p/m)	0.108	0.00220	"	0.220	ND	49.1	80-120	30.9	20	QM-07, R2
Xylene (o)	0.0866	0.00110	"	0.110	ND	78.8	80-120	3.87	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.138		"	0.132		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.132		101	80-120			

Batch P1G2202 - *** DEFAULT PREP ***

Blank (P1G2202-BLK1)				Prepared & Anal	yzed: 07/22/21		
Benzene	ND	0.00100	mg/kg wet				
Toluene	ND	0.00100	"				
Ethylbenzene	ND	0.00100	"				
Xylene (p/m)	ND	0.00200	"				
Xylene (o)	ND	0.00100	"				
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120	96.0	80-120	
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120	106	80-120	

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC	222	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2202 - *** DEFAULT PREP ***										
LCS (P1G2202-BS1)				Prepared &	Analyzed:	07/22/21				
Benzene	0.120	0.00100	mg/kg wet	0.100		120	70-130			
Toluene	0.117	0.00100	"	0.100		117	70-130			
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130			
Xylene (p/m)	0.212	0.00200	"	0.200		106	70-130			
Xylene (o)	0.110	0.00100	"	0.100		110	70-130			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			
LCS Dup (P1G2202-BSD1)				Prepared &	Analyzed:	07/22/21				
Benzene	0.115	0.00100	mg/kg wet	0.100		115	70-130	4.27	20	
Toluene	0.108	0.00100	"	0.100		108	70-130	7.56	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130	5.66	20	
Xylene (p/m)	0.198	0.00200	"	0.200		98.8	70-130	7.08	20	
Xylene (o)	0.102	0.00100	"	0.100		102	70-130	7.93	20	
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.9	80-120			
Calibration Blank (P1G2202-CCB1)				Prepared &	Analyzed:	07/22/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.9	80-120			
Calibration Blank (P1G2202-CCB2)				Prepared &	Analyzed:	07/22/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G2202 - *** DEFAULT PREP ***	•									
Calibration Blank (P1G2202-CCB3)				Prepared &	ኔ Analyzed:	07/22/21				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		106	80-120			
Calibration Check (P1G2202-CCV1)				Prepared &	ኔ Analyzed:	07/22/21				
Benzene	0.120	0.00100	mg/kg wet	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Kylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Kylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Calibration Check (P1G2202-CCV2)				Prepared &	λ Analyzed:	07/22/21				
Benzene	0.117	0.00100	mg/kg wet	0.100		117	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		88.0	80-120			
Kylene (o)	0.0960	0.00100	"	0.100		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	75-125			
Calibration Check (P1G2202-CCV3)				Prepared &	λ Analyzed:	07/22/21				
Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Coluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Kylene (p/m)	0.182	0.00200	"	0.200		90.8	80-120			
Xylene (o)	0.0996	0.00100	"	0.100		99.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.8	75-125			
S	0.116		,,	0.130		0.6.0	75 125			

Permian Basin Environmental Lab, L.P.

Surrogate: 1,4-Difluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

96.8

75-125

0.120

0.116

13000 West County Road 100 Odessa TX, 79765

Surrogate: 1,4-Difluorobenzene

Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1G2202 - *** DEFAULT PREP ***

Matrix Spike (P1G2202-MS1)	Sour	ce: 1G20010	0-01	Prepared &	Analyzed:	07/22/21				
Benzene	0.103	0.00116	mg/kg dry	0.116	ND	88.7	80-120			
Toluene	0.0947	0.00116	"	0.116	ND	81.5	80-120			
Ethylbenzene	0.0938	0.00116	"	0.116	ND	80.6	80-120			
Xylene (p/m)	0.169	0.00233	"	0.233	ND	72.7	80-120			QM-07
Xylene (o)	0.0884	0.00116	"	0.116	ND	76.1	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.132		"	0.140		94.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.136		"	0.140		97.7	80-120			
Matrix Spike Dup (P1G2202-MSD1)	Sour	ce: 1G20010	0-01	Prepared &	Analyzed:	07/22/21				
Benzene	0.116	0.00116	mg/kg dry	0.116	ND	100	80-120	12.1	20	
Toluene	0.106	0.00116	"	0.116	ND	91.6	80-120	11.7	20	
Ethylbenzene	0.106	0.00116	"	0.116	ND	91.3	80-120	12.4	20	
Xylene (p/m)	0.190	0.00233	"	0.233	ND	81.8	80-120	11.8	20	
Xylene (o)	0.0995	0.00116	"	0.116	ND	85.6	80-120	11.8	20	
Surrogate: 4-Bromofluorobenzene	0.136		"	0.140		97.2	80-120			

0.140

101

80-120

0.141

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2211 - *** DEFAULT PREP ***										
Blank (P1G2211-BLK1)				Prepared &	k Analyzed:	07/22/21				
% Moisture	ND	0.1	%							
Blank (P1G2211-BLK2)				Prepared &	k Analyzed:	07/22/21				
% Moisture	ND	0.1	%							
Blank (P1G2211-BLK3)				Prepared &	k Analyzed:	: 07/22/21				
% Moisture	ND	0.1	%							
Duplicate (P1G2211-DUP1)	Sou	rce: 1G16005	5-15	Prepared &	k Analyzed:	07/22/21				
% Moisture	18.0	0.1	%		18.0			0.00	20	
Duplicate (P1G2211-DUP2)	Sou	rce: 1G16005	5-25	Prepared &	t Analyzed:	07/22/21				
% Moisture	22.0	0.1	%		22.0			0.00	20	
Duplicate (P1G2211-DUP3)	Sou	rce: 1G16005	5-40	Prepared &	k Analyzed:	07/22/21				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P1G2211-DUP4)	Sou	rce: 1G16005	5-50	Prepared &	k Analyzed:	07/22/21				
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1G2211-DUP5)	Sou	rce: 1G20002	-01	Prepared &	k Analyzed:	07/22/21				
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1G2211-DUP6)	Sou	rce: 1G20003	-06	Prepared &	k Analyzed:	07/22/21				
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Batch P1G2703 - *** DEFAULT PREP ***										
LCS (P1G2703-BS1)				Prepared &	λ Analyzed:	07/27/21				
Chloride	414	1.00	mg/kg wet	400		104	90-110			

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

	D 1	Reporting		Spike	Source	A/PEG	%REC	222	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2703 - *** DEFAULT PREP ***										
LCS Dup (P1G2703-BSD1)				Prepared &	k Analyzed:	07/27/21				
Chloride	415	1.00	mg/kg wet	400		104	90-110	0.159	20	
Matrix Spike (P1G2703-MS1)	Sour	ce: 1G20002	2-01	Prepared &	k Analyzed:	07/27/21				
Chloride	543	1.16	mg/kg dry	581	27.6	88.7	80-120			
Matrix Spike (P1G2703-MS2)	Sour	ce: 1G20003	3-06	Prepared: (07/27/21 A	nalyzed: 07	7/28/21			
Chloride	687	1.03	mg/kg dry	515	227	89.2	80-120	·	·	
Matrix Spike Dup (P1G2703-MSD1)	Sour	ce: 1G20002	2-01	Prepared &	k Analyzed:	07/27/21				
Chloride	544	1.16	mg/kg dry	581	27.6	88.9	80-120	0.212	20	
Matrix Spike Dup (P1G2703-MSD2)	Sour	ce: 1G20003	3-06	Prepared: (07/27/21 A	nalyzed: 07	7/28/21			
Chloride	690	1.03	mg/kg dry	515	227	89.7	80-120	0.416	20	

Project: Romeo Fed Com 1H ROW

13000 West County Road 100 Odessa TX, 79765 Project Number: 13445
Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

	ъ.	Reporting	** **	Spike	Source	0/855	%REC	DES	RPD	37
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1G2206 - TX 1005										
Blank (P1G2206-BLK1)				Prepared: (07/22/21 Ar	nalyzed: 07	//23/21			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	50.3		"	50.0		101	70-130			
LCS (P1G2206-BS1)				Prepared: (07/22/21 Ar	nalyzed: 07	//23/21			
C6-C12	1120	25.0	mg/kg wet	1000		112	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			
LCS Dup (P1G2206-BSD1)				Prepared: (07/22/21 Aı	nalyzed: 07	7/23/21			
C6-C12	1070	25.0	mg/kg wet	1000		107	75-125	5.20	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.330	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.1	70-130			
Calibration Check (P1G2206-CCV1)				Prepared: (07/22/21 Ar	nalyzed: 07	//23/21			
C6-C12	495	25.0	mg/kg wet	500		99.0	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			
Calibration Check (P1G2206-CCV2)				Prepared: (07/22/21 Aı	nalyzed: 07	7/23/21			
C6-C12	464	25.0	mg/kg wet	500		92.8	85-115			
>C12-C28	516	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.2	70-130			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100Project Number: 13445Odessa TX, 79765Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Project: Romeo Fed Com 1H ROW

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1G2206 - TX 1005										
Matrix Spike (P1G2206-MS1)	Source	e: 1G20003	3-08	Prepared: (07/22/21 A	nalyzed: 07	/23/21			
C6-C12	1130	26.9	mg/kg dry	1080	12.5	104	75-125			
>C12-C28	1020	26.9	"	1080	10.7	94.3	75-125			
Surrogate: 1-Chlorooctane	115		"	108		107	70-130			
Surrogate: o-Terphenyl	58.4		"	53.8		109	70-130			
Matrix Spike Dup (P1G2206-MSD1)	Sourc	e: 1G20003	3-08	Prepared: (07/22/21 A	nalyzed: 07	//23/21			
C6-C12	1130	26.9	mg/kg dry	1080	12.5	104	75-125	0.361	20	
>C12-C28	1040	26.9	"	1080	10.7	95.9	75-125	1.65	20	
Surrogate: 1-Chlorooctane	115		"	108		107	70-130			
Surrogate: o-Terphenyl	57.8		"	53.8		107	70-130			

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

R2 The RPD exceeded the acceptance limit.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Buron		
Report Approved By:		Date:	8/2/2021

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1] Project: Romeo Fed Com 1H ROW

13000 West County Road 100 Project Number: 13445
Odessa TX, 79765 Project Manager: Tim McMinn

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

Project Manager:		
Tim McMinn		i de

City/State/Zip:

Odessa, Texas 79765

Telephone No:

Fax No:

Report Format:

TRRP

NPDES

PO#:

Company Address: 13000 W CR 100

Company Name

Etech Environmental

CHAIN

	and Safety Solutions, Inc.	OF CUSTODY RECORD AND ANALYSIS REQUEST Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706	
Project Loc: Loa, Co. WM	Project #: 13445		1-76 CK W

Relinquished by:	Keiinquisned by	M	Bill to Centennial Resource	nocial Instruction		Op	لــ څ	6 111	2 12	fr h	CV	2		LAB 非 (tab use only)	ORDER #:	(lab use only)	
		M	Resource			&H-17	ジ ルン (NW-4	DH-16 @	BH-15 0	DH-14 0	13 H+13 @ E	13H-12 0 8	FIELD CODE	G20003		
Date	Care	7/20/21) }		•	36	3	43	0	63	2						
			j											Beginning Depth	*.		
[] 6	30		3											Ending Depth			
Durant	Received by:	in Co				7-14-21	7-14-21	7-14-2	7-14-21	7-4-21	7-14-21	7-14-21	7-14-21	Date Sampled			
ma Blednoe						1325	1300	a #100	702	1300	1200	1053	1017	Time Sampled			l proside
				-				\perp	_	_		_		Field Filtered 			im(φetecheny com
						X	7	>	~	~	~	<u> </u>	×	Ice)ete
														HNO ₃	reservation		etecheny.com
														HCI	vation		VI
														H₂SO₄	φ #		8
ļ									ļ	ļ	ļ			NaOH	of Co		
	ariate market 27 feetings		1						ļ			_	-	Na₂S₂O₃ None	ontainers		
2		_		-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ļ					Other (Specify)	ers		
1/20/11 11/00/1) e e	Date					MEDING	and the same of	atti kultuk	- Charles	*********	-	750007777	DW≕Drinking Water SI.=Sludge	P\$02530		
_					k	ヘ	5	\backsim	5	5	S	5	\	GW ≈ Groundwater S≈Soil/Solid	Matrix		
= [Gartier generation to the authorities									atement me	Settle supposed	MERCO CONTRACTOR	CONTROL (STO	NP≔Non-Potable Specify Olher	×	-	SCOTISSION TO
I		ime				<u> </u>	\leq	×	×	×	\succ	×	×	TPH: 418,1 8015M 801	5B		
	office of the control	anamar, saurossani		1-1	_								<u> </u>	TPH: TX 1005 Ext TX 100	6		
Temper Receive	5 5 3 1	Lustin Lustin	On lab	-	\dashv									Catlons (Ca, Mg, Na, K)			Ç.
Temperatu Received.	Sample Hand Delivered by Sampler/Client Rep by Country UPS	Labels on containens) Custody seals on cont Custody seals on cool	Laboratory Comments: Sample Containers Intac VOCs Free of Headspac											Anions (CI, SO4, Alkalinity) SAR / ESP / CEC	- OTAL	TCLP:	
47	tend mode	seale	3 2 3	}		+							-	Metals: As Ag Ba Cd Cr Pb Hg S		Ϋ.	
ි <i>ත</i> ්	725	on on	He som	-		\dashv								Volatiles	-	H	Analyze
ာ ည			adsp	-	-+	-								Semivolatiles	-		
n Receipt	8 g 8	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	-		X	×	بخ	ایک	ス	_		×	BTEX 8021B 5030 or BTEX 826	,		S.
C_{i}	9	7(S)	رې ™		_	->	->-	\dashv	\dashv		}			RCI			
#	r			1	+	\dashv				\neg				N.O.R.M.		-	
~ ~	Ti					×	~	\mathbf{z}	\leq	<u> </u>	\leq	×	×	Chlorides E 300			The same of the sa
CF+1		~ ~ ~ 				\int	[
												arina muusa					
i	يو يو ا	2 2 2	transaction and the	-	•						. ,			RUSH TAT (Pre-Schedule) 24, 4		ECONOMIC	and the same



SUMMARY REPORT

1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 1 of 2

E Tech Environmental & Safety Solutions, Inc.Project: Romeo Fed Com 1H ROW

13000 West County Road 100 Project Number: 13445

Odessa TX, 79765 Project Manager: Tim McMinn

SAMPLED: 08/10/21 to 08/11/21 **REPORTED:** 08/25/21 09:33

RECEIVED: 08-12-202

LAB #		1H13002-01	1H13002-02	1H13002-03			
MATRIX	Minimum	Soil	Soil	Soil	-	-	-
SAMPLE ID	Reporting Limit	BH-1 @ 30"	Stockpile East	Stockpile West	-	_	-
SAPIFLE ID	Reporting Limit	DIF1 @ 50	Этоскріїе Last	Stockpile West		<u>-</u>	
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	-	< 0.00103	<0.00104	-	-	-
Toluene	0.00100 mg/kg dry	-	<0.0103	<0.0104	-	-	-
Ethylbenzene	0.00100 mg/kg dry	-	<0.00103	<0.00104	-	-	-
Xylene (p/m)	0.00200 mg/kg dry	-	<0.00206	<0.00208	-	-	-
Xylene (o)	0.00100 mg/kg dry	-	<0.00103	<0.00104	-	-	-
1,4-Difluorobenzene	120 [surr]	-	107%	104%	-	-	-
4-Bromofluorobenzene	120 [surr]	-	97.0%	94.8%	-	-	-
General Chemistry Parameters	: hv FDA / Standard	Methods (Soi	n				
Chloride	1.00 mg/kg dry	-	1450	968	-	_	_
% Moisture	0.1 %	2.0	3.0	4.0	-	-	-
Total Petroleum Hydrocarbons	C6-C35 by EPA Me	thod 8015M (Soil)				
C6-C12	25.0 mg/kg dry	<25.5	<25.8	<26.0	-	-	-
>C12-C28	25.0 mg/kg dry	<25.5	<25.8	<26.0	-	-	-
>C28-C35	25.0 mg/kg dry	<25.5	<25.8	<26.0	-	-	-
1-Chlorooctane	130 [surr]	83.1%	86.4%	105%	-	-	-
o-Terphenyl	130 [surr]	92.6%	96.9%	118%	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.5 mg/kg dry	<25.5	-	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	25.8 mg/kg dry	-	<25.8	-	-	-	-
Total Petroleum Hydrocarbon C6-C35	26.0 mg/kg dry	-	-	<26.0	-	-	-

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Technical Director



SUMMARY REPORT

1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 2 of 2

E Tech Environmental & Safety Solutions, Inc.

Project: Romeo Fed Com 1H ROW

13000 West County Road 100

Project Number: 13445

Odessa TX, 79765

Project Manager: Tim McMinn

SAMPLED: 08/10/21 to 08/11/21

REPORTED: 08/25/21 09:33

RECEIVED: 08-12-202

Special Notes

- 1 = Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- 2 = This compound is a common laboratory contaminant. Compound also present in method blank.
- The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- 4 = The RPD exceeded the acceptance limit due to sample matrix effects.
- 5 = Received on Ice

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Technical Director

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Tim McMinn
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: Romeo Fed Com 1H ROW
Project Number: 13445
Location: NM

Lab Order Number: 1H13002



Current Certification

Report Date: 08/25/21

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 30"	1H13002-01	Soil	08/10/21 11:45	08-12-2021 16:26
Stockpile East	1H13002-02	Soil	08/11/21 13:45	08-12-2021 16:26
Stockpile West	1H13002-03	Soil	08/11/21 14:00	08-12-2021 16:26

Due to Instrumentation issues, the Reporting Limit for Toluene has been raised to 0.01 mg/Kg

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BH-1 @ 30" 1H13002-01 (Soil)

	I	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
General Chemistry Parameters by 	EPA / Standa	ard Metl	hods						
% Moisture	2.0	0.1	%	1	P1H2002	08/20/21 11:51	08/20/21 11:56	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M						
C6-C12	ND	25.5	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:35	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:35	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:35	TPH 8015M	
Surrogate: 1-Chlorooctane	8	3.1 %	70-130		P1H1801	08/18/21 10:40	08/23/21 18:35	TPH 8015M	
Surrogate: o-Terphenyl	9	2.6 %	70-130		P1H1801	08/18/21 10:40	08/23/21 18:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	08/18/21 10:40	08/23/21 18:35	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

Stockpile East 1H13002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
·	resuit	Liiiit	Jinto	Ditation	Duton	Tropurou	,		
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Toluene	ND	0.0103	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.0 %	80-120		P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1H2003	08/20/21 12:15	08/20/21 18:53	EPA 8021B	
General Chemistry Parameters by	FPA / Stand	lard Metl	hods						
Chloride	1450	5.15	mg/kg dry	5	P1H2202	08/22/21 15:12	08/23/21 05:58	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1H2002	08/20/21 11:51	08/20/21 11:56	ASTM D2216	
Total Petroleum Hydrocarbons C6	6-C35 by EPA	Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:57	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:57	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1H1801	08/18/21 10:40	08/23/21 18:57	TPH 8015M	
Surrogate: 1-Chlorooctane		86.4 %	70-130		P1H1801	08/18/21 10:40	08/23/21 18:57	TPH 8015M	
Surrogate: o-Terphenyl		96.9 %	70-130		P1H1801	08/18/21 10:40	08/23/21 18:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	08/18/21 10:40	08/23/21 18:57	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

Stockpile West 1H13002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
·	Result	Lillin	Jinto	Dilution	Duton	2 Topulou	,		
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Toluene	ND	0.0104	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1H2003	08/20/21 12:15	08/20/21 19:14	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Metl	hods						
Chloride	968	5.21	mg/kg dry	5	P1H2202	08/22/21 15:12	08/23/21 06:14	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1H2002	08/20/21 11:51	08/20/21 11:56	ASTM D2216	
Total Petroleum Hydrocarbons Co	5-C35 by EPA	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P1H1801	08/18/21 10:40	08/20/21 23:09	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1H1801	08/18/21 10:40	08/20/21 23:09	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1H1801	08/18/21 10:40	08/20/21 23:09	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-130		P1H1801	08/18/21 10:40	08/20/21 23:09	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P1H1801	08/18/21 10:40	08/20/21 23:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	08/18/21 10:40	08/20/21 23:09	calc	

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ratch P1H2003 - *** DEFAULT PREP ***										

Blank (P1H2003-BLK1)				Prepared & Anal	yzed: 08/20/21				
Benzene	ND	0.00100	mg/kg wet						
Toluene	0.00556	0.00100	"						O-09
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120	104	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120	92.2	80-120			
LCS (P1H2003-BS1)				Prepared & Anal	yzed: 08/20/21				
Benzene	0.102	0.00100	mg/kg wet	0.100	102	70-130			
Toluene	0.101	0.00100	"	0.100	101	70-130			
Ethylbenzene	0.0954	0.00100	"	0.100	95.4	70-130			
Xylene (p/m)	0.198	0.00200	"	0.200	99.0	70-130			
Xylene (o)	0.0823	0.00100	"	0.100	82.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120	87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120	98.8	80-120			
LCS Dup (P1H2003-BSD1)				Prepared & Anal	yzed: 08/20/21				
Benzene	0.101	0.00100	mg/kg wet	0.100	101	70-130	0.404	20	
Toluene	0.101	0.00100	"	0.100	101	70-130	0.435	20	
Ethylbenzene	0.0959	0.00100	"	0.100	95.9	70-130	0.502	20	
Xylene (p/m)	0.198	0.00200	"	0.200	99.1	70-130	0.0808	20	
Xylene (o)	0.0811	0.00100	"	0.100	81.1	70-130	1.51	20	
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120	100	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120	87.0	80-120			
Calibration Check (P1H2003-CCV1)				Prepared & Anal	yzed: 08/20/21				
Benzene	0.0941	0.00100	mg/kg wet	0.100	94.1	80-120			
Toluene	0.0940	0.00100	"	0.100	94.0	80-120			
Ethylbenzene	0.0863	0.00100	"	0.100	86.3	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200	89.9	80-120			
Xylene (o)	0.0810	0.00100	"	0.100	81.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120	87.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120	99.3	75-125			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1H2003 - *** DEFAULT PREP ***										
Calibration Check (P1H2003-CCV2)				Prepared &	Analyzed:	08/20/21				
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.0880	0.00100	"	0.100		88.0	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.3	80-120			
Xylene (o)	0.0810	0.00100	"	0.100		81.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	75-125			
Calibration Check (P1H2003-CCV3)				Prepared: (08/20/21 A	nalyzed: 08	/21/21			
Benzene	0.0978	0.00100	mg/kg wet	0.100		97.8	80-120			
Toluene	0.0968	0.00100	"	0.100		96.8	80-120			
Ethylbenzene	0.0864	0.00100	"	0.100		86.4	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.8	80-120			
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			
Matrix Spike (P1H2003-MS1)	Sou	rce: 1H13002	2-02	Prepared: (08/20/21 A	nalyzed: 08	/21/21			
Benzene	0.0801	0.00103	mg/kg dry	0.103	ND	77.7	80-120			QM-0:
Toluene	0.0799	0.00103	"	0.103	ND	77.5	80-120			QM-0:
Ethylbenzene	0.0749	0.00103	"	0.103	ND	72.6	80-120			QM-0:
Xylene (p/m)	0.157	0.00206	"	0.206	ND	76.1	80-120			QM-0:
Xylene (o)	0.0659	0.00103	"	0.103	ND	63.9	80-120			QM-0:
Surrogate: 1,4-Difluorobenzene	0.121		"	0.124		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.124		90.5	80-120			
Matrix Spike Dup (P1H2003-MSD1)	Sou	rce: 1H13002	2-02	Prepared: (08/20/21 A	nalyzed: 08	/21/21			
Benzene	0.0771	0.00103	mg/kg dry	0.103	ND	74.8	80-120	3.87	20	QM-0:
Toluene	0.0767	0.00103	"	0.103	ND	74.4	80-120	4.04	20	QM-0:
Ethylbenzene	0.0719	0.00103	"	0.103	ND	69.8	80-120	4.03	20	QM-0:
Xylene (p/m)	0.149	0.00206	"	0.206	ND	72.5	80-120	4.93	20	QM-0:
Xylene (o)	0.0628	0.00103	"	0.103	ND	60.9	80-120	4.89	20	QM-0:
Surrogate: 4-Bromofluorobenzene	0.111		"	0.124		89.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.124		98.1	80-120			

Permian Basin Environmental Lab, L.P.

13000 West County Road 100 Project Number: 13445
Odessa TX, 79765 Project Manager: Tim McMinn

Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Project: Romeo Fed Com 1H ROW

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1H2002 - *** DEFAULT PREP ***										
Blank (P1H2002-BLK1)				Prepared &	Analyzed:	08/20/21				
% Moisture	ND	0.1	%							
Blank (P1H2002-BLK2)				Prepared & Analyzed: 08/20/21						
% Moisture	ND	0.1	%							
Blank (P1H2002-BLK3)				Prepared &	Analyzed:	08/20/21				
% Moisture	ND	0.1	%							
Blank (P1H2002-BLK4)				Prepared &	Analyzed:	08/20/21				
% Moisture	ND	0.1	%							
Blank (P1H2002-BLK5)				Prepared &	Analyzed:	08/20/21				
% Moisture	ND	0.1	%							
Duplicate (P1H2002-DUP1)	Sou	rce: 1H13005-	02	Prepared & Analyzed: 08/20/21						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P1H2002-DUP2)	Source: 1H13005-12			Prepared &	Analyzed:	08/20/21				
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1H2002-DUP3)	Source: 1H13005-27			Prepared & Analyzed: 08/20/21						
% Moisture	18.0	0.1	%		18.0			0.00	20	
Duplicate (P1H2002-DUP4)	Source: 1H13005-37			Prepared &						
% Moisture	9.0	0.1	%		10.0			10.5	20	
Duplicate (P1H2002-DUP5)	Source: 1H13006-04			Prepared &						
% Moisture	10.0	0.1	%	15.0				40.0	20	R.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H2002 - *** DEFAULT PREP ***	1100011	Zaint		20.01	result	,,,,,,,	211110		2	1,000
Duplicate (P1H2002-DUP6)	Sou	rce: 1H13006	: 14	Drangrad &	Analyzad:	08/20/21				
% Moisture	5.0 0.1 %		Prepared & Analyzed: 08/20/21 6.0				18.2	20		
Duplicate (P1H2002-DUP7)	Source: 1H16004-01			Prepared & Analyzed: 08/20/21						
% Moisture	2.0	0.1	%		1.0			66.7	20	R
Duplicate (P1H2002-DUP8)	Source: 1H17002-03			Prepared & Analyzed: 08/20/21						
% Moisture	16.0	0.1	%		16.0			0.00	20	
Batch P1H2202 - *** DEFAULT PREP ***										
Blank (P1H2202-BLK1)				Prepared: (08/22/21 A	nalyzed: 08	3/23/21			
Chloride	ND	1.00	mg/kg wet							
LCS (P1H2202-BS1)				Prepared &	k Analyzed:	08/22/21				
Chloride	399	1.00	mg/kg wet	400		99.9	90-110			
LCS Dup (P1H2202-BSD1)				Prepared: 08/22/21 Analyzed: 08/23/21						
Chloride	398	1.00	mg/kg wet	400		99.4	90-110	0.479	20	
Calibration Blank (P1H2202-CCB1)				Prepared &	k Analyzed:	08/22/21				
Chloride	0.00		mg/kg wet							
Calibration Check (P1H2202-CCV1)				Prepared &	k Analyzed:	08/22/21				
Chloride	20.1		mg/kg	20.0		100	90-110			
Calibration Check (P1H2202-CCV2)				Prepared: 08/22/21 Analyzed: 08/23/21						
Chloride	20.2		mg/kg	20.0		101	90-110			

13000 West County Road 100 Project
Odessa TX, 79765 Project

Project: Romeo Fed Com 1H ROW

Project Number: 13445 Project Manager: Tim McMinn

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result		%REC Limits	RPD	RPD Limit	Notes
Batch P1H2202 - *** DEFAULT PREP ***										
Calibration Check (P1H2202-CCV3)				Prepared: (08/22/21	Analyzed: 08	3/23/21			
Chloride	20.1		mg/kg	20.0		100	90-110			
Matrix Spike (P1H2202-MS1)	Sour	ce: 1H12005	5-13	Prepared: (08/22/21	Analyzed: 08	3/23/21			
Chloride	521	1.03	mg/kg dry	515	5.07	100	80-120			
Matrix Spike (P1H2202-MS2)	Sour	rce: 1H13001	1-02	Prepared: (08/22/21	Analyzed: 08	3/23/21			
Chloride	722	1.14	mg/kg dry	568	152	100	80-120	·	·	
Matrix Spike Dup (P1H2202-MSD1)	Sour	ce: 1H12005	5-13	Prepared: (08/22/21	Analyzed: 08	3/23/21			
Chloride	517	1.03	mg/kg dry	515	5.07	99.3	80-120	0.870	20	
Matrix Spike Dup (P1H2202-MSD2)	Sour	rce: 1H13001	1-02	Prepared: (08/22/21	Analyzed: 08	3/23/21			
Chloride	718	1.14	mg/kg dry	568	152	99.7	80-120	0.499	20	·

Project: Romeo Fed Com 1H ROW

13000 West County Road 100 Odessa TX, 79765 Project Number: 13445
Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

RPD	37.
Limit	Notes
20	
20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

13000 West County Road 100 Odessa TX, 79765 Project: Romeo Fed Com 1H ROW

Project Number: 13445
Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1H1801 - TX 1005

Duplicate (P1H1801-DUP1)	Source	e: 1H12009	9-01	Prepared: 08/	/18/21 An	alyzed: 08	3/24/21			
C6-C12	376	263	mg/kg dry		474			23.2	20	R3
>C12-C28	10700	263	"		7560			34.6	20	R3
Surrogate: 1-Chlorooctane	98.1		"	105		93.2	70-130			
Surrogate: o-Terphenyl	57.1		"	52.6		108	70-130			

13000 West County Road 100

Project Number: 13445 Project Manager: Tim McMinn

Project: Romeo Fed Com 1H ROW

Odessa TX, 79765

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were

within acceptance limits showing that the laboratory is in control and the data is acceptable.

O-09 This compound is a common laboratory contaminant. Compound also present in method blank.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Date: 8/25/	
0/26/	.5/2021

Par

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

E Tech Environmental & Safety Solutions, Inc. [1] Project: Romeo Fed Com 1H ROW

13000 West County Road 100Project Number: 13445Odessa TX, 79765Project Manager: Tim McMinn

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.



	Reinquished by	Reinquished by:	Bill to Centennial Resource							3 Stackpile	a Stockoile	- BH 1	LAB # (lab use only)	ORDER #: 1413002	(lab use only)	Sampler Signature:	Telephone No:		SS:		Project Manager:		
) Date	Pelal Suran	2							Nest	<i>ast</i>		FIELD CODE			MITH	(432)230-3763	Odessa, Texas 79765	13000 W CR 100	Etech Environmental and Safety Solutions, Inc.	Tim McMinn		CHAIR OF COSIODI RECORD AND
	Time	16:36		-	-	-			-	_	ļ <u>.</u>	w	Beginning Depth	_						afety Sol			Č
\sim		·		-	-	-		-		-	 	30	Ending Depth	-						utions,			2
	Regalived by:	Received by:								8/11	8/11	8/10	Date Sampled							Inc			IT COND AND
ma Bledge	And the state of t									2:00	1:45	Shi	Time Sampled		•	e-mail:	Fax No:						6-10-00-10- 8
6							1		1	1		\ \ \	Fleld Filtered								- E	Permian Basin Environmental Lab, LP 10014 S. County Road 1213	
		ľ	ļ		-	-			+	=	<	-	Total #. of Containers	+		Matt@etechent com	- [Widiand, lexas	Man AS.	. (C
				-	+	1	\dashv	+	+	+	 `		HNO ₃	Pres.		Matt@etechenv		}			le X	Cou	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													HCI	Preservation & # o		@e	}					nty i	1
			•	_	-			$\downarrow \downarrow$				ļ	H₂SO₄	# & nc		tech	1	1			90/6/	/iron	
					-	\vdash		╁	+	+-	-	-	NaOH Na ₂ S ₂ O ₃	4 1			-			1		mental 1213	
<i>∞</i>	2 to \$ 2 . 7 from 1,000 at \$1.70	ļ	ĺ	-	 	t	\neg		十	+	-	1	None	Containers		/ com						ა <u>წ</u>	,
70/00/00 10/00/00 10/00/00/00/00/00/00/00/00/00/00/00/00/0)afe	Date										-	Other (Specify)	,		lΞ						Ë,	
a aprilemental and the second	0	0								S	5	V	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Soild	Matrix			Repo				יסי	·	
1676	1	Time		-	+-		_	+		-	-	Z	NP=Non-Potable Specify Other TPH: 418.1 8015M 8	015B			Report Format:		Proje	P	Project Name: ROMED FECT COM 14 ROWR		
Contraction of an extended days.	a						1	1			_		<u> </u>	1006			mat:	PO #	Project Loc:	Project #:	Nan		
Temperatur Received 1	Sample Hand Delivered by Sampler Clent Recovery UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sample Containers Intact? VOCs Free of Headspace?	aboratory Comments:	-	\vdash	\dashv		+	-	-	 	Catlons (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity)		_			#	ĭ I	;# 	ĕ		
ived ived	nple Hand Delivered by Sampler/Client Rec by Courser/ UPS	_abels on container(s) Custody seals on conti Custody seals on cook	S Fred		+	\vdash	-+	+	+	+	 	-	SAR / ESP / CEC		TOTAL:		X Standard	5	>	1	100		
H.	and f	eals eals	ontai e of	<u> </u>	†		+		_	1	T	-	Metals: As Ag Ba Cd Cr Pb H		+	1.1	anda	0	2	壬	8	ຊີ	!
	Cles	SO EEO CO	ners										Volatiles			Analyze	<u>a</u>	5		N.	70	ne:	
Kecepo	UFS Bread	yoter(spac	# - K				-	_		1_	-	Semivolatiles			e For:		12			29	4.52-	j
ု ခြိ	2	ner(s)	e 45		 	\vdash			-	<u>×</u>	>	1-	BTEX 8021B 5030 or BTEX 8	260			☐ TRRP				2	Phone: 432-561-4184) }
2	严			-	+	+-+		+	+	+	1	+	N.O.R.M.				RR		}		Ħ	Š.	
126	-						工	1	1	×	×		Chlorides E 300									•	
			37)	-	┼		_	-	+	+	 	-					Z				Ø		
	SE Z Z	z	: Z Z		+-	+	-+	_	-	-	-	+	RUSH TAT (Pre-Schedule) 2	4, 48,	72 hrs		NPDES	1		}	M		
anni da de la casa de	(A)		مادان در پروندستان در پ				士	1		×	×	>	Standard TAT			السيح	S	}		_	8	15 of	4.5
,									,									•	-	ıΡ	age i	10 01	15

Received by OCD: 3/1/2022 9:22:34 AM

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

Page 115 of 121

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

		ennial Resource Pr	roduction, Inc		OGRID: 3	OGRID: 372165						
Contact Nam	ne: Jamon H	ohensee		Contact Telephone: 432-241-4283								
Contact ema	il: jamon.hol	hensee@cdevinc.c	com	Incident # (assigned by OCD)								
Contact mail Texas 79705		500 W. Illinois A	ve, Suite 500, Mi									
			Location	of R	elease So	ource						
Longitude 32.20880 Longitude -103.46360												
(NAD 83 in decimal degrees to 5 decimal places)												
Site Name: R	omeo FC 11	ł	Site Type:	pipeline								
Date Release	Discovered:	11/15/20		API# (if app	olicable)							
Unit Letter	Section	Township	Range	Coun	ity							
D	22	24S	34E									
Surrace Owne		Federal Tr	Nature and	d Vol	lume of I							
Crude Oi		Volume Release		Carculat	ions of specific	Volume Recovered (bbls)						
□ Produced	Water	Volume Release	d (bbls)100bbls			Volume Recovered (bbls)5bbls						
		Is the concentrat	tion of dissolved c >10,000 mg/l?	hloride	in the	☐ Yes ☐ No						
Condensa	ite	Volume Release	d (bbls)			Volume Recovered (bbls)						
☐ Natural C	ias	Volume Release	d (Mcf)		Volume Recovered (Mcf)							
Other (de	escribe)	Volume/Weight	Released (provide)	Volume/Weight Recovered (provide units)							
Cause of Rel A hole devel		iser of a pw pipeli	ne releasing fluid	s onto t	the ground.							

Received by OCD: 3/1/2022	9:22:34 And tate of New Mexico
Page 2	Oil Conservation Division

Incident ID	——— Page 116 of 12
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? If YES, for what reason(s) does the responsible party consider this a major release? Release of fluids greater than 25bbls
⊠ Yes □ No
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification was given to Jim Griswold on 11/16/20.
Initial Response
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please a hottach all information needed for closure evaluation.
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: Jamon Hohensee Title: Sr. Environmental Analyst
Signature: 5a 4.h Date: 11-17-20



State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
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?	431(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.

	\boxtimes	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
	\boxtimes	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
7		Boring or excavation logs
1	\boxtimes	Photographs including date and GIS information
1	\boxtimes	Topographic/Aerial maps
1	\boxtimes	Laboratory data including chain of custody

f the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation below. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

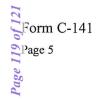
Released to Imaging: 3/1/2022 11:17:34 AM



State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
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: Nikki Mishler	Title: Sr. Environmental Representative	
Signature: 1444 Mobiles	Date: <u>2/24/2022</u>	
email: Nikki.Mishler@cdevinc.com	Telephone: 432-634-8722	
OCD Only		
Received by:	Date:	



State of New Mexico Oil Conservation Division

Incident ID	nRM2033543713
District RP	
Facility ID	
Application ID	

Released to Imaging: 3/1/2022 11:17:34 AM

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 		
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Nikki Mishler Title: Sr. Environmental Representative Signature: Date: 2/24/2022		
email: Nikki.Mishler@cdevinc.com Telephone: 432-634-8722		
OCD Only		
Received by: Date:		
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved		
Signature: Date:		

For the diagraphy OCD: 3/1/2022 9:22:34 State of New Mexico
Page 6 Oil Conservation Division

Incident ID	Page 120 of 12.
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 is	tems must be included in the closure report.	
☐ A scaled site and sampling diagram as described in 19.15.29.1	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 nust be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)	
☐ Description of remediation activities		
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, at 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. Title: Title:		
Signature:	Date:	
email:	Telephone:	
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
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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

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

CONDITIONS

Action 85121

CONDITIONS

Operator:	OGRID:
CENTENNIAL RESOURCE PRODUCTION, LLC	372165
1001 17th Street, Suite 1800	Action Number:
Denver, CO 80202	85121
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Received revised Remediation Plan. Revised Remediation Plan Approved.	3/1/2022