Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	nAPP2222822822
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

X Description of remediation activities

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

Printed Name: Amber Groves	Title: Remediation Specialist
Signature:	Date: 11 3 2022
email:agroves@durangomidstream.com	Telephone:575-703-7992
OCD Only	
Received by: Robert Hamlet	Date: <u>1/25/2023</u>
Closure approval by the OCD does not relieve the responsible par remediate contamination that poses a threat to groundwater, surfac party of compliance with any other federal, state, or local laws an	rty of liability should their operations have failed to adequately investigate and ce water, human health, or the environment nor does not relieve the responsible ad/or regulations.
Closure Approved by: <u>Robert Hamlet</u>	Date: <u>1/25/2023</u>
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

District 1 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 Page 2 of 377

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

Incident ID	nAPP2222822822
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Frontier Field Services, LLC	OGRID 221115	
Contact Name Amber Groves	Contact Telephone 575-703-7992	
Contact email agroves@durangomidstream.com	Incident # (assigned by OCD)	

#### Location of Release Source

Latitude	32.788931	Longitude -104.160235	
	(NAD 83 in dec	cimal degrees to 5 decimal places)	

Date Release Discovered 8/8/2022	API# (if applicable)	
and the second se		

Unit Letter	Section	Township	Range	County
J	34	17S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: Conoco

## Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls) 3	Volume Recovered (bbls) 0
Natural Gas	Volume Released (Mcf) 9,396.73	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Unknown ignition source ignited a fire at receiver facility.

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	nAPP2222822822
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

X Description of remediation activities

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Printed Name: Amber Groves	Title: Remediation Specialist
Signature:	Date: 11 3 2022
email:agroves@durangomidstream.com	Telephone:575-703-7992
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the respons remediate contamination that poses a threat to groundwate party of compliance with any other federal, state, or local	ible party of liability should their operations have failed to adequately investigate and r, surface water, human health, or the environment nor does not relieve the responsible laws and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Received by OCD: 8/18/2022 3:28:48 PM

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2223049065
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Apache Corporation	OGRID 873	
Contact Name Larry Baker	Contact Telephone 432-215-2284	
Contact email larry.baker@apachecorp.com	Incident # (assigned by OCD)	
Contact mailing address 303 Veterans Airpark Lane	Midland, TX 79705	

#### Location of Release Source

A	· · · · · · · · · · · · · · · · · · ·	
Latit	lide	
Laur	uuc	

Longitude -104.160229 (NAD 83 in decimal degrees to 5 decimal places)

Site Name D State 85-88		Site Type Flow lines		
Date Release Discovered 8	/8/2022	API# (if applicable)		

Unit Letter Section		Township	Range	County
J	34	17S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name:

32.788981

#### Nature and Volume of Release

Crude Oil	Volume Released (bbls) unknown	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls) unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Ves 🗌 No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Relaised in Imaging: 8(19/2022.9:26:12-1M)

Released to Imaging: 1/25/2023 9:41:05 AM

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Page 6

Oil Conservation Division

Incident ID	nAPP2223049065
District RP	
Facility ID	
Application ID	

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## Closure

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

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Printed Name: Larry Baker	Title: Environmental Tech Sr. Staff
Signature:	Date:
email: <u>larry.baker@apachecorp.com</u>	Telephone: 432-215-2284
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:



 November 7, 2022
 Vertex Project #: 22E-02945

 Spill Closure Report:
 Abo Plant to Coyote 12" Steel Line Receiver (Section 34, Township 17 South, Range 28 East) County: Eddy Incident Reports: nAPP2222822822 and nAPP2223049065

 Prepared For:
 Frontier Field Services, LLC 47 Conoco Road Maljamar, New Mexico 88264

New Mexico Oil Conservation Division - District 2 - Eddy 811 South 1<sup>st</sup> Street Artesia, New Mexico 88210

Frontier Field Services, LLC (Frontier) retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment for a release of natural gas, condensate, and produced water at the receiver facility named Abo Plant to Coyote 12" Steel Line Receiver, Incident nAPP2222822822 and nAPP2223049065. Frontier and Apache provided notification of the spill to New Mexico Oil Conservation Division (NMOCD) District 2, and the private landowner, via an initial C-141 Release Notifications. This letter provides a description of the Spill Assessment and includes a request for Spill Closure. The spill area is located at N 32.788931, W -104.160235.

#### Background

The site is located approximately 10.71 miles west of Loco Hills, New Mexico (Google Inc., 2022). The legal location for the site is Section 34, Township 17 South and Range 28 East in Eddy County, New Mexico. The spill area is located on private property. An aerial photograph and site schematic are included in Figure 1, Attachment 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2022) indicates the site's surface geology is comprised primarily of Qoa – Older alluvial deposits of upland plains and piedmont areas and is characterized as mixed alluvium and eolian sands. The Natural Resources Conservation Service *Web Soil Survey* characterizes the predominant soil texture on the site is Kimbrough-Stegall loams complex. It tends to be well drained with very high runoff and very low available moisture levels in the soil profile (United States Department of Agriculture, Natural Resources Conservation Service, 2022).

The surrounding landscape is associated with plains, and alluvial fans at elevations of 2,750 to 5,000 feet above sea level. The climate is semi-arid, with an annual precipitation ranging between 8 to 16 inches. Historically, the plant community has grassland aspect, dominated by grasses with shrubs. Black grama is dominant and sideoats grama as the subdominant with a mixture of blue grama, bush muhly, sand dropseed, and threeawns. Overgrazing and extended drought can reduce grass cover (United States Department of Agriculture, Natural Resources Conservation Service, 2022).

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 vertex.ca

Frontier Field Services, LLC	2022 Spill Assessment and Closure
Abo Plant to Coyote 12" Steel Line Receiver, nAPP2222822822 and nAPP2223049065	November 2022

Mexico Administrative Code (NMAC; New Mexico Oil Conservation Division, 2018), is the Pecos River located approximately 9.5 miles west northwest of the site (United States Fish and Wildlife Service, National Wetlands Inventory, 2022). There are no continuous flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

#### **Incident Description**

The spill occurred on August 8, 2022, due to an unknown ignition source igniting a fire at the receiver facility and melted polylines owned by Apache. The spill was reported on August 9, 2022 and involved the release of approximately 3 barrels (bbl.) of condensate and 9,396.73 Mcf of natural gas at the facility and surrounding pastureland. Approximately 0 bbl. of free fluid was removed during initial spill clean-up. Characterization of the release area was completed during the excavation process. Field screens and laboratory analysis results are provided in Table 2, Attachment 2. The New Mexico Oil Conservation Division (NMOCD) C-141 Reports: nAPP2222822822 and nAPP2223049065 is included in Attachment 3. The daily field report and site photographs are included in Attachment 4.

#### **Closure Criteria Determination**

The depth to groundwater was determined using information from the National Water Information System on the United State Geological Survey website and New Mexico Office of the State Engineer POD locations. A 0.5-mile search radius was used to determine groundwater depth. The closest recorded depth to groundwater was determined to be 257 feet below ground surface (bgs) and 1.17 miles from the site (United States Geological Survey, National Water Information System: Mapper, 2022). Documentation used in Closure Criteria Determination research is included in Attachment 5.

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## Frontier Field Services, LLC2022 Spill Assessment and ClosureAbo Plant to Coyote 12" Steel Line Receiver, nAPP2222822822 and nAPP2223049065November 2022

ill Coc	ordinates:	X: 32.788931	Y: -104.160235		
	cific Conditions	Value	Unit		
1	Depth to Groundwater	257	feet		
2	Within 300 feet of any continuously flowing	54.446	( a a b		
2	watercourse or any other significant watercourse	51,146	feet		
	Within 200 feet of any lakebed, sinkhole or playa				
3	lake (measured from the ordinary high-water	17,923	feet		
	mark)				
4	Within 300 feet from an occupied residence,	20,167	feet		
4	school, hospital, institution or church	20,107	ieet		
	i) Within 500 feet of a spring or a private, domestic				
	fresh water well used by less than five households	6,236	feet		
5	for domestic or stock watering purposes, <b>or</b>				
	ii) Within 1000 feet of any fresh water well or	6,236	feet		
	spring	0,230			
	Within incorporated municipal boundaries or				
	within a defined municipal fresh water field				
6	covered under a municipal ordinance adopted	No	(Y/N)		
Ū	pursuant to Section 3-27-3 NMSA 1978 as		(Y/N)		
	amended, unless the municipality specifically				
	approves				
7	Within 300 feet of a wetland	5,696	feet		
8	Within the area overlying a subsurface mine	No	(Y/N)		
			Critical		
9	Within an unstable area (Karst Map)	Low	High		
•			Medium		
			Low		
10	Within a 100-year Floodplain	Zone X Unshaded	year		
			· · · · ·		
11	Soil Type	Kimbrough-Stegall			
ТŢ		loams			
12	Ecological Classification	Kimbrough			
12		Kinibiougii			
13	Geology	Qoa			
			<50'		
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	51-100'		
			>100'		

Frontier Field Services, LLC	2022 Spill Assessment and Closure
Abo Plant to Coyote 12" Steel Line Receiver, nAPP2222822822 and nAPP2223049065	November 2022

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

Minimum depth below any point within the horizontal boundary of the release to groundwater						
less than 10,000 mg/l TDS	Constituent Limit					
	Chloride	600 mg/kg				
	TPH (GRO+DRO+MRO)	100 mg/kg				
< 50 feet	BTEX	50 mg/kg				
	Benzene	10 mg/kg				

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

#### **Remedial Actions Taken**

An initial site inspection of the spill area was completed on August 18, 2022, which identified the area of the spill specified in the initial C-141 Reports, estimated the approximate square footage of the area and began remediation efforts based off surface staining. The impacted area was determined to be approximately 263 feet long and 147 feet wide; the total affected area was determined to be 9,638 square feet. The daily field report associated with the site inspection is included in Attachment 3.

Remediation efforts began on August 18, 2022 and were completed on October 19, 2022. Vertex personnel supervised the excavation of impacted soils. Field screening was completed on multiple sample points and consisted of analysis using a photo ionization detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and electromagnetic conductivity meter (chlorides). Field screening results were used to identify areas requiring further remediation from those areas showing concentrations below determined closure criteria levels. Soils were removed to a depth of 8 feet bgs. Additional remediation was completed on October 19, 2022 to assess samples above criteria and is further described below. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening and laboratory analysis results are included in Table 2 (Attachment 2).

Notification that confirmatory samples were being collected was provided to the NMOCD on September 2, 7, 19, 23 and 30 and October 14, 2022 and are included in Attachment 6. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 126 samples were collected for laboratory analysis following NMOCD soil sampling procedures and with an additional three samples recollected with additional remediation completed. Samples were submitted to under chain-of-custody (COC) protocols and analyzed for BTEX (EPA Method 8021B), total Petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 2 (Attachment 2) and the laboratory data report can be found in Attachment 7. All confirmatory samples collected and analyzed were below closure criteria for the site.

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Frontier Field Services, LLC2022 Spill Assessment and ClosureAbo Plant to Coyote 12" Steel Line Receiver, nAPP2222822822 and nAPP2223049065November 2022

#### **Closure Request**

The spill area was fully delineated, remediated and backfilled with local soils. Confirmatory Sample Notification email is presented in Attachment 6. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release locations "under 50 feet to groundwater". Based on these findings, Frontier Field Services, LLC respectfully requests that this spill be closed.

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

Monica Peppin, A.S. PROJECT MANAGER, REPORTING

November 7, 2022

Date

#### **Attachments**

- Attachment 1. Figures
- Attachment 2. Tables
- Attachment 3. NMOCD C-141 Report
- Attachment 4. Daily Field Reports with Pictures
- Attachment 5. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
- Attachment 6. Confirmatory Sample Notifications
- Attachment 7. Laboratory Data Reports and COCs

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#### References

- Google Inc. (2022). *Google Earth Pro* (Version 7.3.4) [Software]. Retrieved from http://www.google.com/earth on August 20, 2022.
- New Mexico Bureau of Geology and Mineral Resources. (2022). *Interactive Geologic Map.* Retrieved from http://geoinfo.nmt.edu.
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- United States Department of Agriculture, Natural Resources Conservation Service. (2022). *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.
- United States Department of Homeland Security, FEMA Flood Map Service Center. (2020). *Flood Map Number* 35015C1875D. Retrieved from https://msc.fema.gov/portal/search?AddressQuery=malaga%20new%20mexico#searchresultsanchor
- United States Fish and Wildlife Service. (2022). *National Wetlands Inventory Surface Waters and Wetland*. Retrieved from https://www.fws.gov/ wetlands/data/Mapper.html.

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Frontier Field Services, LLC	2022 Spill Assessment and Closure
Abo Plant to Coyote 12" Steel Line Receiver, nAPP2222822822 and nAPP2223049065	November 2022

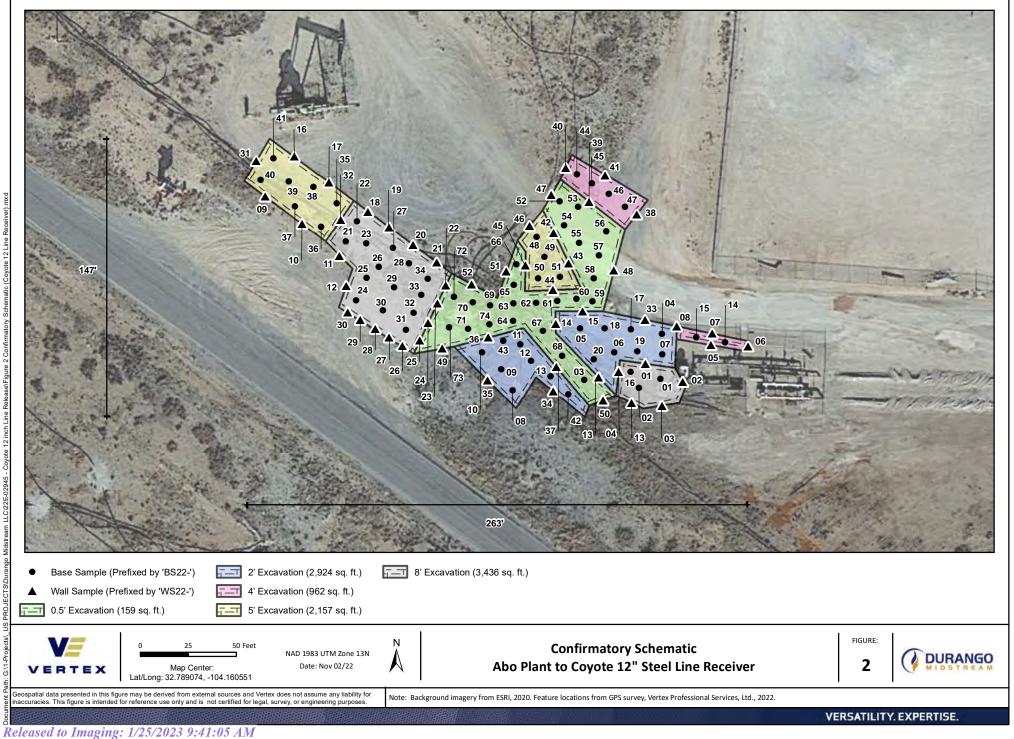
#### Limitations

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

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

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## **ATTACHMENT 1**



## **ATTACHMENT 2**

Client Name: Frontier Field Services, LLC

Site Name: Abo Plant to Coyote 12" Steel Line Receiver

NMOCD Tracking #: nAPP2222822822 Project #: 22E-02945

Lab Reports: E209069, E209045, E209046, E209190, E209191, E209192, E210009, E210010, E210020, E210167

	1	able 2. Confirma	tory Samp	ole Field Sc	reen and	nd Laboratory Results - Depth to Groundwater <50 feet bgs							
	Sample Descrip	otion	Fi	eld Screeni	ng	Petroleum Hydrocarbons							
			s			Vola	atile			Extractable	2		Inorganic
Sample ID	Depth (ft)	Sample Date	(PID) (PID) (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	auazuag (mg/kg)	(jg/kg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg	월 Gasoline Range Organics 영 (GRO)	ball Diesel Range Organics (DRO)	a) Motor Oil Range Organics (MRO)	(GRO + DRO) (mg/kg)	명 Total Petroleum 서 Hydrocarbons (TPH)	) (is Chloride Concentration (is Chloride Concentration
BS22-01	8	9/6/2022	-	29	346	ND	ND	ND	31.7	ND	31.7	31.7	302
BS22-02	8	9/6/2022	-	13	0	ND	ND	ND	ND	ND	ND	ND	415
BS22-03	0.5	9/6/2022	-	22	147	ND	ND	ND	ND	ND	ND	ND	116
BS22-04	2	9/6/2022	-	37	166	ND	ND	ND	ND	ND	ND	ND	133
BS22-05	2	9/6/2022	-	43	24	ND	ND	ND	ND	ND	ND	ND	54.3
BS22-06	2	9/6/2022	-	39	121	ND	ND	ND	ND	ND	ND	ND	195
BS22-07	2	10/19/2022	-	24	54	ND	ND	ND	ND	ND	ND	ND	ND
BS22-08	2	9/8/2022	0	22	134	ND	ND	ND	ND	ND	ND	ND	20.2
BS22-09	2	9/8/2022	0	14	147	ND	ND	ND	ND	ND	ND	ND	ND
BS22-10	2	9/8/2022	0	17	171	ND	ND	ND	ND	ND	ND	ND	ND
BS22-11	2	9/8/2022	0	31	191	ND	ND	ND	ND	ND	ND	ND	32.1
BS22-12	2	9/8/2022	0	38	193	ND	ND	ND	ND	ND	ND	ND	ND
BS22-13	2	10/19/2022	0	29	736	ND	ND	ND	ND	ND	ND	ND	ND
BS22-14	4	9/28/2022		22	310	ND	ND	ND	ND	ND	ND	ND	197
BS22-15	4	9/28/2022	-	15	353	ND	ND	ND	ND	ND	ND	ND	21.6
BS22-16	8	9/29/2022	-	-	519	ND	ND	ND	28	ND	28	28	52.2
BS22-17	2	9/29/2022		70	523	ND	ND	ND	ND	ND	ND	ND	171
BS22-18	2	9/29/2022	-	91	178	ND	ND	ND	42.2	51.5	42.2	93.7	55.9
BS22-19	2	9/29/2022	-	95	0	ND	ND	ND	33.3	ND	33.3	33.3	233
BS22-20	2	9/29/2022	-	46	180	ND	ND	ND	ND	ND	ND	ND	157
BS22-21	8	9/29/2022	-	-	453	ND	ND	ND	ND	ND	ND	ND	181
BS22-22	8	9/29/2022	-	-	438	ND	ND	ND	ND	ND	ND	ND	149
BS22-23	8	9/29/2022	-	-	409	ND	ND	ND	ND	ND	ND	ND	145
BS22-24	8	9/29/2022	-	-	438	ND	ND	ND	ND	ND	ND	ND	71.9
BS22-25	8	9/29/2022	-	-	440	ND	ND	ND	ND	ND	ND	ND	116
BS22-26	8	9/29/2022	-	-	469	ND	ND	ND	ND	ND	ND	ND	155
BS22-27	8	9/29/2022	-	-	357	ND	ND	ND	ND	ND	ND	ND	280
BS22-28	8	9/29/2022	-	-	386	ND	ND	ND	ND	ND	ND	ND	221
BS22-29	8	9/29/2022	-	-	385	ND	ND	ND	ND	ND	ND	ND	182
BS22-30	8	9/29/2022	-	-	414	ND	ND	ND	ND	ND	ND	ND	42.9
BS22-31	8	9/29/2022	-	-	418	ND	ND	ND	ND	ND	ND	ND	43.7
BS22-32	8	9/29/2022	-	-	334	ND	ND	ND	ND	ND	ND	ND	65.5
BS22-33	8	9/29/2022	-	-	363	ND	ND	ND	ND	ND	ND	ND	63.6
BS22-34	8	9/29/2022	-	-	523	ND	ND	ND	ND	ND	ND	ND	148
BS22-35	5	9/30/2022	-	-	393	ND	ND	ND	ND	ND	ND	ND	172
BS22-36	5	9/30/2022	-	-	419	ND	ND	ND	ND	ND	ND	ND	427
BS22-37	5	9/30/2022	-	-	458	ND	ND	ND	ND	ND	ND	ND	286
BS22-38	5	9/30/2022	-	-	448	ND	ND	ND	ND	ND	ND	ND	282
BS22-39	5	9/30/2022	-	-	398	ND	ND	ND	ND	ND	ND	ND	237
BS22-40	5	9/30/2022	-	-	323	ND	ND	ND	ND	ND	ND	ND	172
BS22-41	5	9/30/2022	-	-	222	ND	ND	ND	ND	ND	ND	ND	233
BS22-42	2	9/30/2022	-	-	102	ND	ND	ND	48.3	67	48.3	115.3	39.1
D322-42	2.5	10/19/2022	-	9	350	ND	ND	ND	ND	ND	ND	ND	148
BS22-43	2	9/30/2022	-	-	181	ND	ND	ND	77.4	110	77.4	187.4	74.7
D322-43	2.5	10/19/2022	-	8	196	ND	ND	ND	ND	ND	ND	ND	36.7
BS22-44	4	9/30/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	36.9
BS22-45	4	9/30/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
BS22-46	4	9/30/2022	-	-	8	ND	ND	ND	ND	ND	ND	ND	ND
BS22-47	4	9/30/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	31.4
BS22-48	5	9/30/2022	-	-	163	ND	ND	ND	ND	ND	ND	ND	ND



.

Client Name: Frontier Field Services, LLC Site Name: Abo Plant to Coyote 12" Steel Line Receiver NMOCD Tracking #: 2222822822 Project #: 22E-02945 Lab Reports: E209069, E209045, E209046, E209190, E209191, E209192, E210009, E210010, E210020, E210167

	Sample Descrip	otion	Ei,	110									
		_		eld Screeni	ng			Petrole	eum Hydrod				
			s			Vol	atile			Extractable	2		Inorganic
Sample ID	Depth (ft)	Sample Date	(PID) (PID)	표 Extractable Organic ③ Compounds (PetroFlag)	() (mdd) (mdd) (mdd)	eus Beuzeue (mg/kg)	(mg/kg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg/gg	월 Gasoline Range Organics (GRO)	Ba Diesel Range Organics (DRO)	B월 Motor Oil Range Organics (영/(MRO)	(02KO + DKO) (mg/kg)	ୁ ଅସି Total Petroleum କ୍ରୁ Hydrocarbons (TPH)	Bay/Bay (Say/Chloride Concentration
BS22-49	5	9/30/2022	-	-	216	ND	ND	ND	ND	ND	ND	ND	ND
BS22-50	5	9/30/2022	-	-	106	ND	ND	ND	ND	ND	ND	ND	64
BS22-51	5	9/30/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	60.5
BS22-52	0.5	9/30/2022	-	-	479	ND	ND	ND	ND	ND	ND	ND	371
BS22-53	0.5	9/30/2022	-	-	331	ND	ND	ND	ND	ND	ND	ND	141
BS22-54	0.5	9/30/2022	-	-	412	ND	ND	ND	ND	ND	ND	ND	462
BS22-55	0.5	9/30/2022	-	-	321	ND	ND	ND	ND	ND	ND	ND	397
BS22-56	0.5	9/30/2022	-	-	445	ND	ND	ND	ND	ND	ND	ND	62.3
BS22-57	0.5	9/30/2022	-	-	310	ND	ND	ND	ND	ND	ND	ND	509
BS22-58	0.5	9/30/2022	-	-	522	ND	ND	ND	ND	ND	ND	ND	285
BS22-59	0.5	9/30/2022	-	-	484	ND	ND	ND	ND	ND	ND	ND	306
BS22-60	0.5	10/19/2022	-	10	180	ND	ND	ND	ND	ND	ND	ND	52.8
BS22-61	0.5	10/19/2022	-	6	281	ND	ND	ND	ND	ND	ND	ND	37.3
BS22-62	0.5	10/19/2022	-	19	37	ND	ND	ND	ND	ND	ND	ND	83.2
BS22-63	0.5	10/19/2022	-	8	128	ND	ND	ND	ND	ND	ND	ND	40.9
BS22-64	0.5	10/19/2022	-	9	307	ND	ND	ND	ND	ND	ND	ND	ND
BS22-65	0.5	10/19/2022	-	32	160	ND	ND	ND	ND	ND	ND	ND	78.1
BS22-66	0.5	10/19/2022	-	31	171	ND	ND	ND	ND	ND	ND	ND	103
BS22-67	0.5	10/19/2022	-	27	128	ND	ND	ND	ND	ND	ND	ND	76.5
BS22-68	0.5	10/19/2022	-	51	161	ND	ND	ND	ND	ND	ND	ND	40.9
BS22-69	0.5	10/19/2022	-	0	124	ND	ND	ND	ND	ND	ND	ND	63.6
BS22-70	0.5	10/19/2022	-	48	8	ND	ND	ND	29.8	ND	29.8	29.8	29.8
BS22-71	0.5	10/19/2022	-	32	230	ND	ND	ND	ND	ND	ND	ND	105
BS22-72	0.5	10/19/2022	-	53	96	ND	ND	ND	ND	ND	ND	ND	46.5
BS22-73	0.5	10/19/2022	-	35	134	ND	ND	ND	ND	ND	ND	ND	25.8
BS22-74	0.5	10/19/2022	-	21	199	ND	ND	ND	ND	ND	ND	ND	58.1
WS22-01	0-4	9/13/2022	-	-	121	ND	0.0367	ND	ND	ND	ND	ND	127
WS22-01	4-8	9/6/2022	-	-	46	ND	ND	ND	ND	ND	ND	ND	85.4
WS22-02	0-4	9/6/2022	-	-	451	ND	ND	ND	ND	ND	ND	ND	347
WS22-02	4-8	9/6/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
WS22-03	0-4	9/6/2022	-	-	310	ND	ND	ND	ND	ND	ND	ND	155
WS22-03	4-8	9/6/2022	-	-	580	ND	ND	ND	ND	ND	ND	ND	2100
WS22-03	4-8	10/16/2022	-	4	124	ND	ND	ND	ND	ND	ND	ND	57.4
WS22-04	0-4	9/6/2022	-	13	0	ND	ND	ND	ND	ND	ND	ND	126
WS22-04	4-8	9/6/2022	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
WS22-05	0-4	9/28/2022	-	19	421	ND	ND	ND	ND	ND	ND	ND	ND
WS22-06	0-4	9/28/2022	-	9	291	ND	ND	ND	ND	ND	ND	ND	ND
WS22-07	0-4	9/28/2022	-	4	289	ND	ND	ND	ND	ND	ND	ND	85.2
WS22-08	2-4	9/28/2022	-	16	356	ND	ND	ND	ND	ND	ND	ND	ND
WS22-09	0-5	9/28/2022	-	15	482	ND	ND	ND	ND	ND	ND	ND	290
WS22-10	0-5	9/28/2022	-	30	206	ND	ND	ND	ND	ND	ND	ND	326
WS22-11	0-8	9/28/2022	-	34	453	ND	ND	ND	ND	ND	ND	ND	528
WS22-12	0-8	9/28/2022	-	-	93	ND	ND	ND	ND	ND	ND	ND	137
WS22-13	0-4	10/19/2022	-	9	251	ND	ND	ND	ND	ND	ND	ND	ND
WS22-13	4-8	9/29/2022	-	-	50	ND	ND	ND	35.1	ND	35.1	35.1	45.6
WS22-14	0-2	9/29/2022	-	91	0	ND	ND	ND	27.3	ND	27.3	27.3	53
WS22-15	0-2	9/29/2022	-	42	243	ND	ND	ND	ND	ND	ND	ND	133
WS22-16	0-5	9/29/2022	-	43	248	ND	ND	ND	ND	ND	ND	ND	242
WS22-17	0-5	9/29/2022	-	-	314	ND	ND	ND	ND	ND	ND	ND	129



.

Client Name: Frontier Field Services, LLC Site Name: Abo Plant to Coyote 12" Steel Line Receiver NMOCD Tracking #: 2222822822 Project #: 22E-02945 Lab Reports: E209069, E209045, E209046, E209190, E209191, E209192, E210009, E210010, E210020, E210167

	1	able 3. Confirma	tory Samp	le Field Sc	reen and	Laboratory	Results -	Depth to	Groundwa	ter <50 fe	et bgs		
9	Sample Descrip	otion	Fie	eld Screeni	ng			Petrole	eum Hydrod	arbons			
			s			Vola	atile			Extractable	9		Inorganic
Sample ID	Depth (ft)	Sample Date	(PID) (PID)	Extractable Organic Compounds (PetroFlag)	(mdd) (mdd) (mdd)	auazuag g(mg/kg)	(mg/kg)	월 Gasoline Range Organics (GRO)	월 Diesel Range Organics (DRO)	월 Motor Oil Range Organics (MRO)	(GRO + DRO)	표 Total Petroleum Hydrocarbons (TPH)	a) Sy/Chloride Concentration
WS22-18	0-8	9/29/2022	(PP)	(PP)	386	ND	ND	ND	ND	ND	ND	ND	127
WS22-19	0-8	9/29/2022	-	-	220	ND	ND	ND	ND	ND	ND	ND	120
WS22-20	0-8	9/29/2022	-	-	164	ND	ND	ND	ND	ND	ND	ND	109
WS22-21	0-8	9/29/2022	-	-	347	ND	ND	ND	ND	ND	ND	ND	241
WS22-22	0-8	9/29/2022	-	-	226	ND	ND	ND	ND	ND	ND	ND	186
WS22-23	0-8	9/29/2022	-	-	255	ND	ND	ND	ND	ND	ND	ND	190
WS22-24	0-8	9/29/2022	-	-	265	ND	ND	ND	ND	ND	ND	ND	114
WS22-25	0-8	9/29/2022	-	-	207	ND	ND	ND	ND	ND	ND	ND	205
WS22-26	0-8	9/29/2022	-	-	535	ND	ND	ND	ND	ND	ND	ND	513
WS22-27	0-8	9/29/2022	-	-	473	ND	ND	ND	ND	ND	ND	ND	412
WS22-28	0-8	9/29/2022	-	-	460	ND	ND	ND	ND	ND	ND	ND	382
WS22-29	0-8	9/29/2022	-	-	484	ND	ND	ND	ND	ND	ND	ND	278
WS22-30	0-8	9/29/2022	-	-	477	ND	ND	ND	ND	ND	ND	ND	137
WS22-31	0-5	9/29/2022	-	-	222	ND	ND	ND	ND	ND	ND	ND	254
WS22-32	5-8	9/30/2022	-	-	432	ND	ND	ND	ND	ND	ND	ND	153
WS22-33	0-2	9/30/2022	-	-	183	ND	ND	ND	36.2	ND	36.2	36.2	ND
WS22-34	0-2	9/30/2022	-	47	376	ND	ND	ND	28.1	ND	28.1	28.1	20
WS22-35	0-2	9/30/2022	-	32	492	ND	ND	ND	ND	ND	ND	ND	22.5
W622.26	0.2	9/30/2022	-	58	522	ND	ND	ND	73.1	135	73.1	208.1	ND
WS22-36	0-2	10/19/2022	-	90	145	ND	ND	ND	ND	ND	ND	ND	ND
WS22-37	0-2	9/30/2022	-	-	529	ND	ND	ND	43.6	51.7	43.6	95.3	68.6
WS22-38	0-4	9/30/2022	-	-	62	ND	ND	ND	ND	ND	ND	ND	74.4
WS22-39	0.5-4	9/30/2022	-	-	370	ND	ND	ND	ND	ND	ND	ND	178
WS22-40	0-4	9/30/2022	-	-	340	ND	ND	ND	40.1	ND	40.1	40.1	131
WS22-41	0-4	9/30/2022	-	-	99	ND	ND	ND	ND	ND	ND	ND	85
WS22-42	0.5-5	9/30/2022	-	-	421	ND	ND	ND	ND	ND	ND	ND	306
WS22-43	0.5-5	9/30/2022	-	-	340	ND	ND	ND	ND	ND	ND	ND	303
WS22-44	0.5-5	9/30/2022	-	-	343	ND	ND	ND	ND	ND	ND	ND	76.4
WS22-45	0.5-5	9/30/2022	-	-	382	ND	ND	ND	ND	ND	ND	ND	191
WS22-46	0-5	9/30/2022	-	-	333	ND	ND	ND	ND	ND	ND	ND	161
WS22-47	0-0.5	9/30/2022	-	-	467	ND	ND	ND	ND	ND	ND	ND	307
WS22-48	0-0.5	9/30/2022	-	-	196	ND	ND	ND	ND	ND	ND	ND	ND
WS22-49	0-0.5	10/19/2022	-	56	241	ND	ND	ND	ND	ND	ND	ND	111
WS22-50	0-0.5	10/19/2022	-	44	193	ND	ND	ND	ND	ND	ND	ND	380
WS22-51	0-0.5	10/19/2022	-	26	206	ND	ND	ND	ND	ND	ND	ND	88.7
WS22-52	0-0.5	10/19/2022	-	16	108	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit "-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria

Bold and green shaded indicates samples recollected and under NMOCD Closure Criteria



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## **ATTACHMENT 3**

District 1 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 Page 20 of 377

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

Incident ID	nAPP2222822822
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

OGRID 221115	
Contact Telephone 575-703-7992	
Incident # (assigned by OCD)	
	Contact Telephone 575-703-7992

#### Location of Release Source

Latitude	32.788931	Longitude -104.160235	
	(NAD 83 in .	decimal degrees to 5 decimal places)	

Date Release Discovered 8/8/2022	API# (if applicable)	
and the second se		

Unit Letter	Section	Township	Range	County
J	34	17S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: Conoco

### Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls) 3	Volume Recovered (bbls) 0
🛛 Natural Gas	Volume Released (Mcf) 9,396.73	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Unknown ignition source ignited a fire at receiver facility.

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	nAPP2222822822
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

X Description of remediation activities

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

Printed Name: Amber Groves	Title: Remediation Specialist
Signature:	Date: 11 3 2022
email:agroves@durangomidstream.com	Telephone:575-703-7992
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the response remediate contamination that poses a threat to groundwater party of compliance with any other federal, state, or local	ible party of liability should their operations have failed to adequately investigate and r, surface water, human health, or the environment nor does not relieve the responsible laws and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Received by OCD: 8/18/2022 3:28:48 PM

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2223049065
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Apache Corporation	OGRID 873
Contact Name Larry Baker	Contact Telephone 432-215-2284
Contact email larry.baker@apachecorp.com	Incident # (assigned by OCD)
Contact mailing address 303 Veterans Airpark Lane	Midland, TX 79705

#### Location of Release Source

Latitude	
Lautuuc	

Longitude -104.160229 (NAD 83 in decimal degrees to 5 decimal places)

Site Name D State 85-88	Site Type Flow lines
Date Release Discovered 8/8/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
J	34	17S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name:

32.788981

#### Nature and Volume of Release

Crude Oil	Volume Released (bbls) unknown	Volume Recovered (bbls) 0	
Produced Water	Volume Released (bbls) unknown	Volume Recovered (bbls) 0	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No	
Condensate	Volume Released (bbls)	Volume Recovered (bbls)	
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)	
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)	
Cause of Release 4 s	urface lines associated with the D State 8 aged due to a fire caused by third party o	5,86,87,88 and three emulsion line	

Relansed in Imaging: 8(19/2022-9:26:12 AM

## Page 22 of 377

Page 6

Oil Conservation Division

Incident ID	nAPP2223049065
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.

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

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

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

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

X Description of remediation activities

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

Printed Name: Larry Baker	Title: Environmental Tech Sr. Staff		
Signature:	Date:		
email: <u>larry.baker@apachecorp.com</u>	Telephone: <u>432-215-2284</u>		
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:			

## **ATTACHMENT 4**



Client:	Durango Midstream LLC	Inspection Date:	8/18/2022	
Site Location Name:	Coyote 12" Steel Line	Report Run Date:	8/23/2022 10:20 PM	
Client Contact Name:	Amber Groves	API #:		
Client Contact Phone #:	346-351-2786			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
Summary of Times				
Arrived at Site	8/18/2022 9:00 AM			
Departed Site	8/18/2022 3:10 PM			
Field Notes				
14:17 Arrived on location				
14:17 Did walkthrough of site with representatives from standard safety				
14:17 Began surface scrape of stained areas				

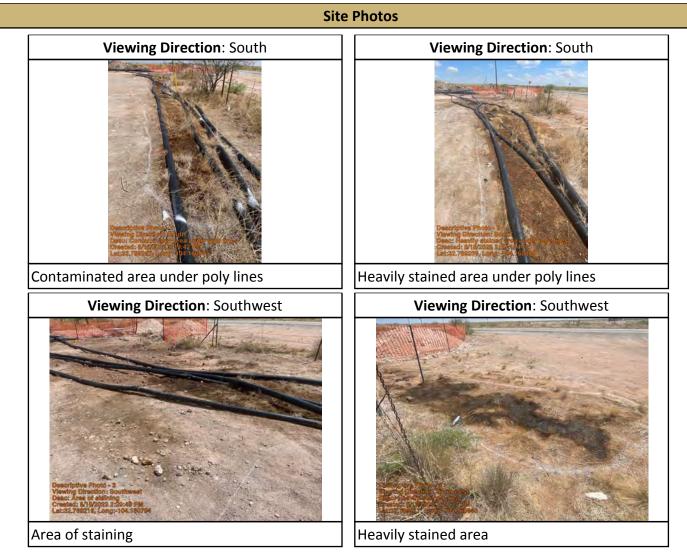
14:18 Began hand digging stained areas around launcher

14:18 Placed spoils on plastic liner

**Next Steps & Recommendations** 

**1** Continue scraping surface contamination and field screens





Run on 8/23/2022 10:20 PM UTC







**Daily Site Visit Signature** 

Inspector: McKitric Wier

Signature: Signature

•



Client:	Durango Midstream LLC	Inspection Date:		
Site Location Name:	Coyote 12" Steel Line	Report Run Date:	10/3/2022 10:52 PM	
Client Contact Name:	Amber Groves	API #:		
Client Contact Phone #:	346-351-2786			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
Summary of Times				
Arrived at Site				
Departed Site				

#### **Field Notes**

14:51 Arrived on site and held safety meeting with Lakin and reps from standard

14:51 Collected confirmatory samples from excavation west of the road. Samples came back clean

14:52 Collected confirmatory samples from excavation east of road. Confirmed clean status of excavation

**14:53** Completed collecting confirmatory samples from base of excavation west of pump jack

14:53 Hauled 120 yards of material to disposal

**Next Steps & Recommendations** 

1 Continue with confirmation sampling



# **Site Photos** Viewing Direction: Southeast Viewing Direction: South Excavation east of pump jack Northeast excavation Viewing Direction: South Viewing Direction: North Excavation east of road Excavation east of road











**Daily Site Visit Signature** 

Inspector: McKitric Wier

Signature:

•



Client:	Durango Midstream LLC	Inspection Date:	10/19/2022		
Site Location Name:	Coyote 12" Steel Line	Report Run Date:	10/20/2022 12:34 PM		
Client Contact Name:	Amber Groves	API #:			
Client Contact Phone #:	346-351-2786				
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	10/19/2022 8:50 AM				
Departed Site	10/19/2022 4:50 PM				

#### **Field Notes**

11:22 Arrived on site and held safety meeting with reps from standard

18:21 Began collecting samples and excavating southwest excavation down 6 additional inches in required spot @ 0930

6:31 Collected samples from walls and from bases in required areas

6:31 Collected samples from 0.5' excavation

6:31 Loaded 8 trucks

**Next Steps & Recommendations** 

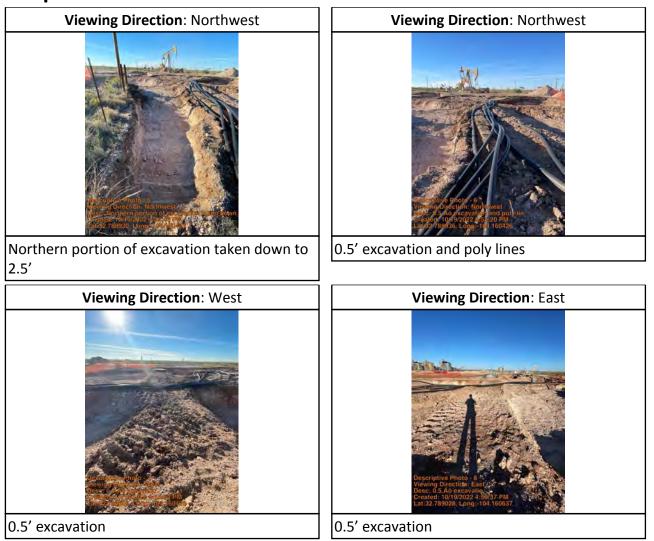
1



## **Site Photos** Viewing Direction: West Viewing Direction: North Northern portion of southwestern excavation Northern portion of excavation taken down to taken down to 2.5' 2.5' Viewing Direction: Northwest Viewing Direction: Southeast Northern portion of excavation taken down to Southern portion of excavation taken down to 2.5' 2.5'

Run on 10/20/2022 12:34 PM UTC





V

VERTEX

### **Daily Site Visit Report**



0.5' excavation and poly lines

.

### **Daily Site Visit Report**



**Daily Site Visit Signature** 

Inspector: McKitric Wier

Signature: Signature

•

### **ATTACHMENT 5**

# Abo Plant to Coyote



#### 10/21/2022, 12:03:03 PM

Override 1

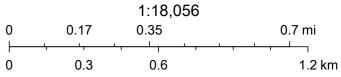
New Mexico State Trust Lands

Both Estates

OSE District Boundary

Subsurface Estate

SiteBoundaries



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

#### Received by OCD: 11/8/2022 8:32:26 AM ADO Plant to Coyote

GRASSA @ Imaging: 1/25/2023 9:41:05 AM

USGS Well Distance: 1.17 miles DTGW: 257 feet, 1994

OWING LOIN UTWO

#### Legend

- 324724104082301
- Abo Plant to Coyote 12" Steel Line Receiver

Page 41 of 377

Coyote compressor station

12

324724104082301

Abo Plant to Coyote 12" Steel Line Receiver

Coyote compressor station

Sat

用語言

Ν



USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS Water Resources	Data Category:	Geographic Area:			
	Site Information V	United States	~	GO	

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. <u>Read</u> more.
- <u>Full News</u> 🔊

### USGS 324724104082301 17S.28E.35.42233

Available data for this site SUMMARY OF ALL AVAILABLE DATA ✔ GO

### Well Site

**DESCRIPTION:** 

Latitude 32°47'24", Longitude 104°08'23" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 280.00 feet Land surface altitude: 3,659 feet above NGVD29. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	<b>Begin Date</b>	End Date	Count	
Field groundwater-level measurements	1986-05-21	1994-03-01	4	
<u>Revisions</u>	Unavailable (site:0) (timeseries:0)			

#### OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to <u>New Mexico Water Science Center Water-Data</u> <u>Inquiries</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u> Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency\_code=USGS&site\_no=324724104082301

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2022-09-01 18:49:10 EDT 0.27 0.26 caww01





USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS Water Resources	Data Category:		Geographic Area:		
	Groundwater	×	United States	~	GO

#### Click to hideNews Bulletins

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- <u>Full News</u> 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

#### Search Results -- 1 sites found

site\_no list =

• 324724104082301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 324724104082301 17S.28E.35.42233

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°47'24", Longitude 104°08'23" NAD27

Land-surface elevation 3,659 feet above NGVD29

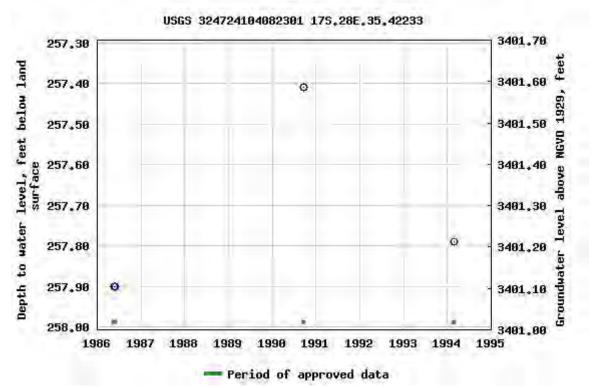
The depth of the well is 280.00 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

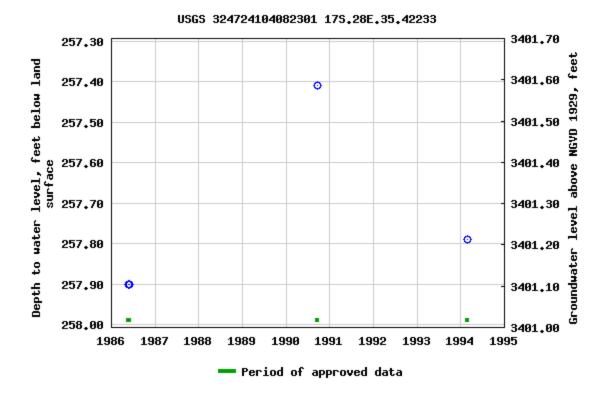
Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels? USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-10-21 17:23:09 EDT 0.57 0.49 nadww01

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# New Mexico Office of the State Engineer **Point of Diversion Summary**

		· ·	ers are 1= ters are s			=SW 4=SE) gest)	(NAD83 UT	M in meters)	
Well Tag	POD Number		Q16 Q4			• /	(10.1200.01 X	Y	
-	RA 11857 POD1	1	1 2	05 1	8S	26E	577784	3625988	9
Driller Licen	Driller Co	ompany	: DEL	.FO	RD W. M	ARTIN			
Driller Name	: MARTIN, DELI	ORD							
Drill Start Da	te: 09/25/2012	Drill Finis	sh Date	:	10/	01/2012	Plug	Date:	
Log File Date	e: 10/15/2012	PCW Rev	/ Date:				Sour	ce:	Shallow
Pump Type:		Pipe Disc	Pipe Discharge Size:			Estimated Yield: 95 GPM		<b>d:</b> 95 GPM	
Casing Size:	5.00	Depth W	ell:	235 feet		Dept	h Water:	95 feet	
Water Bearing Stratifications: Top					m	Descript	ion		
			95	13	30	Sandstor	ne/Gravel/	Conglome	rate
			160	235 Sandston		ne/Gravel/	Conglome/	rate	
	Casing Pe	rforations:	Тор	Botto	m				
			140	23	85				

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

#### **U.S. Fish and Wildlife Service**

### National Wetlands Inventory

### Coyote Watercourse 50,146ft



#### Wetlands

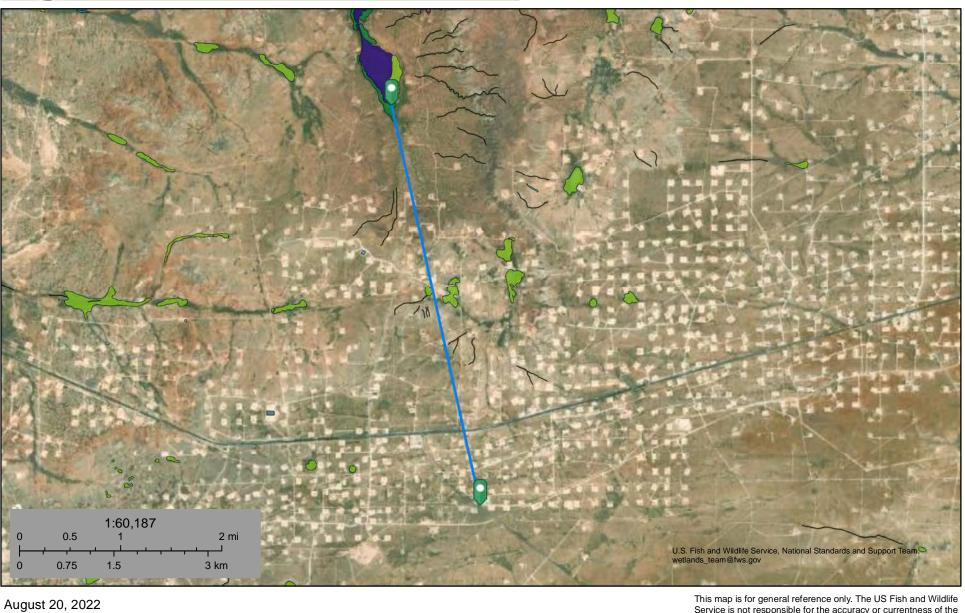
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine be used in accordance with the layer metadata found on the Wetlands Mapper web site.

### National Wetlands Inventory

### Coyote Lake 17,923ft



Lake

Other

Riverine

Freshwater Emergent Wetland

**Freshwater Pond** 

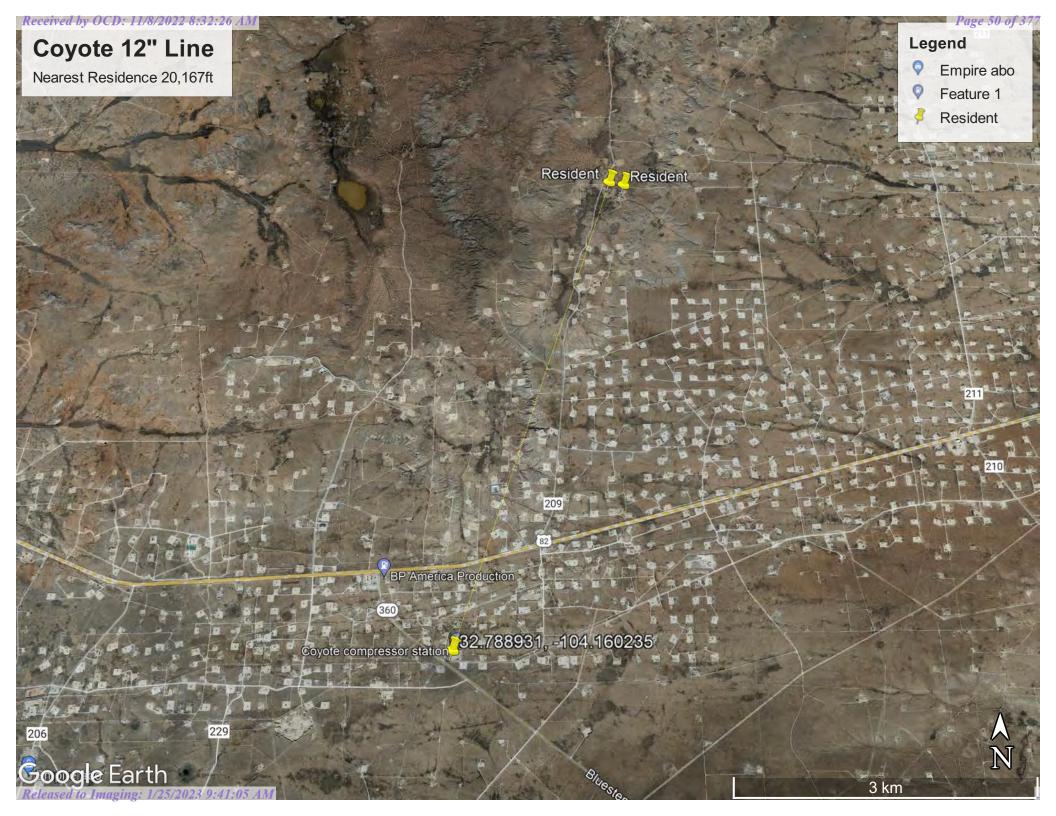
Freshwater Forested/Shrub Wetland

#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Released to Imaging: 1/25/2023 9:41:05 AM

Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# Abo Plant to Coyote



#### 10/21/2022, 2:46:02 PM

Override 1

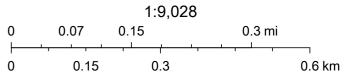
OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

SiteBoundaries





Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

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#### Received by OCD: 11/8/2022 8:32:26 AM Coyote Steel Line

Nearest Town: Loco Hills, NM Distance: 10.71 miles (56,554 feet)

225

#### Legend

214

213

210

360

212

82

211

210

217

209

(82)

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Loco Hills

Abo Plant to Coyote 12" Steel Line Receiver

U.S. Hwy 82

216

Eddy County

Abo Plant to Coyote 12" Steel Line Receiver

206

229

217

235

206

8 km

U.S. Fish and Wildlife Service

### National Wetlands Inventory

### Coyote Wetland 5,696ft



#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- **Freshwater Pond**

Freshwater Forested/Shrub Wetland

Lake Other Riverine be used in accordance with the layer metadata found on the Wetlands Mapper web site.

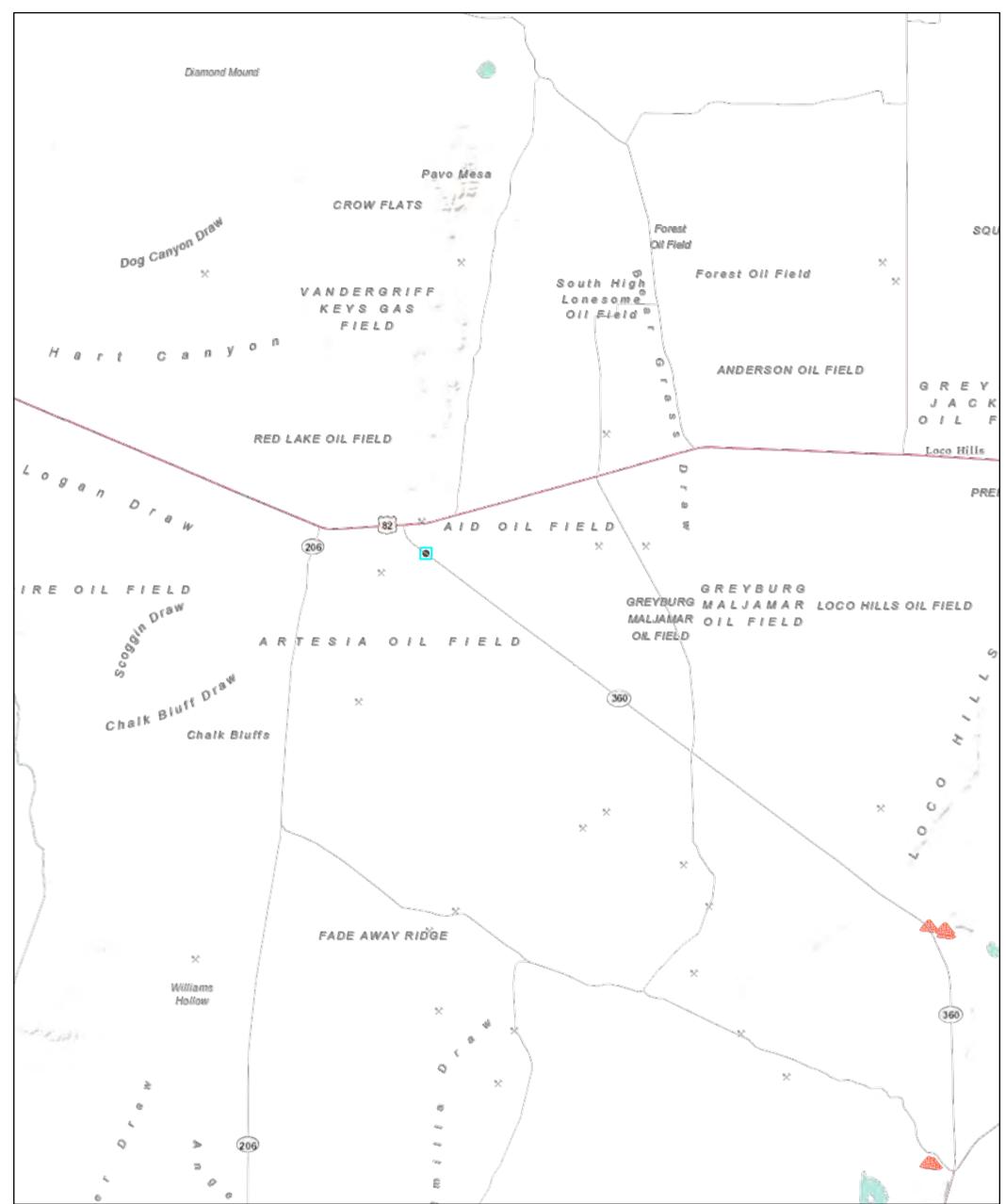
#### Released to Imaging: 1/25/2023 9:41:05 AM

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

Received by OCD: 11/8/2022 8:32:26 AM

# Active Mines in New Mexico



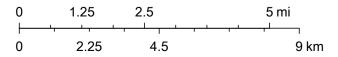


#### 8/20/2022, 1:06:15 PM

#### **Registered Mines**

- $\times$ Aggregate, Stone etc.
- × Aggregate, Stone etc.
- × Aggregate, Stone etc.
- Potash

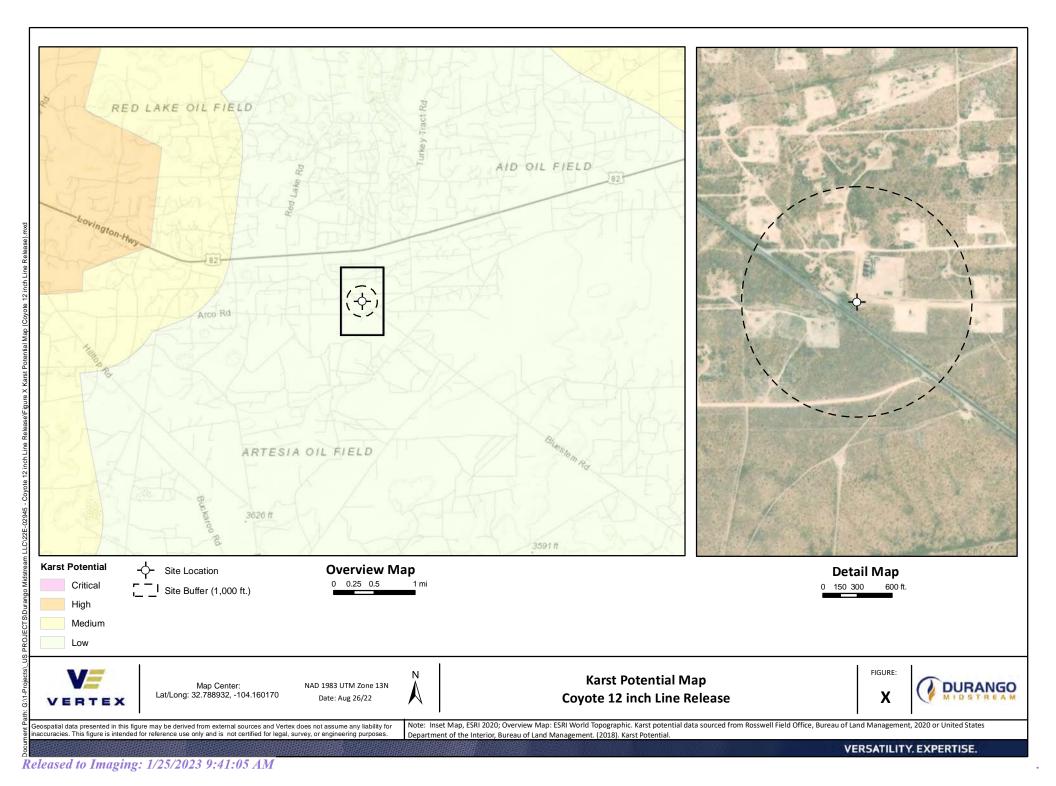
#### 1:144,448



Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

Released to Imaging: 1/25/2023 9:41:05 AM NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)



# Received by OCD: 11/8/2022 8:32:26 AM National Flood Hazard Layer FIRMette



#### Legend

regulatory purposes.

104°9'56"W 32°47'35"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) Zone A. V. A9 With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - — – – Channel, Culvert, or Storm Sewer GENERAL STRUCTURES LIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD Eddy County **Coastal Transect** mm 513 mm Base Flood Elevation Line (BFE) Zdex 350120 Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline** 35015C0375D FEATURES Hydrographic Feature eff. 6/4/2010 **Digital Data Available** No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/20/2022 at 3:15 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 104°9'18"W 32°47'5"N unmapped and unmodernized areas cannot be used for

Releasea to Imaging: 1/25/2023 9.941:05 AM 1,500

Feet 1:6.000 2.000

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

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USDA United States Department of Agriculture

> Natural Resources Conservation Service

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

# **Custom Soil Resource Report for Eddy Area, New Mexico**



## Preface

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

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

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/? cid=nrcs142p2\_053951).

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

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

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

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How Soil Surveys Are Made	
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Soil Map	
Legend	
Map Unit Legend	11
Map Unit Descriptions	11
Eddy Area, New Mexico	13
KT—Kimbrough-Stegall loams, 0 to 3 percent slopes	13
References	15

# How Soil Surveys Are Made

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

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

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

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

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

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

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

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

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

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

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

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

.

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

# Soil Map

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

Received by OCD: 11/8/2022 8:32:26 AM



Released to Imaging: 1/25/2023 9:41:05 AM

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#### Custom Soil Resource Report

MAP LE	GEND	MAP INFORMATION	
Area of Interest (AOI) Area of Interest (AOI)	<ul><li>Spoil Area</li><li>Stony Spot</li></ul>	The soil surveys that comprise your AOI were mapped at 1:20,000.	
Soils          Soil Map Unit Polygons         Soil Map Unit Lines         Soil Map Unit Points         Soil Map Unit Points         Special Point Features         Blowout         Sorrow Pit	<ul> <li>Very Stony Spot</li> <li>Wet Spot</li> <li>Other</li> <li>Special Line Features</li> </ul> Water Features Streams and Canals	Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.	
N-24	Transportation       Here     Rails       Interstate Highways       US Routes       Major Roads	Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)	
<ul> <li>Landfill</li> <li>Lava Flow</li> <li>Marsh or swamp</li> <li>Mine or Quarry</li> </ul>	Local Roads  Background Aerial Photography	Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.	
<ul> <li>Miscellaneous Water</li> <li>Perennial Water</li> <li>Rock Outcrop</li> <li>Saline Spot</li> <li>Sandy Spot</li> </ul>		This product is generated from the USDA-NRCS certified data a of the version date(s) listed below. Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021 Soil map units are labeled (as space allows) for map scales	
<ul> <li>Severely Eroded Spot</li> <li>Sinkhole</li> <li>Slide or Slip</li> <li>Sodic Spot</li> </ul>		Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020 The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background	
<i>p</i>		The orthopho	

### **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
КТ	Kimbrough-Stegall loams, 0 to 3 percent slopes	0.2	100.0%
Totals for Area of Interest		0.2	100.0%

### **Map Unit Descriptions**

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

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

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

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

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

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

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

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

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

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

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

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

#### Eddy Area, New Mexico

#### KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

#### Map Unit Setting

National map unit symbol: 1w4t Elevation: 2,750 to 5,000 feet Mean annual precipitation: 8 to 16 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days Farmland classification: Not prime farmland

#### **Map Unit Composition**

*Kimbrough and similar soils:* 70 percent *Stegall and similar soils:* 25 percent *Minor components:* 5 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

#### **Description of Kimbrough**

#### Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Talf, rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

#### **Typical profile**

*H1 - 0 to 3 inches:* loam *H2 - 3 to 9 inches:* loam *H3 - 9 to 60 inches:* indurated

#### **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 8 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R042XC025NM - Shallow Hydric soil rating: No

#### **Description of Stegall**

#### Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

#### **Typical profile**

H1 - 0 to 5 inches: loam

H2 - 5 to 28 inches: clay loam

H3 - 28 to 32 inches: indurated

H4 - 32 to 60 inches: variable

#### **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

#### Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 3e Hydrologic Soil Group: C Ecological site: R042XC007NM - Loamy Hydric soil rating: No

#### **Minor Components**

#### Simona

Percent of map unit: 5 percent Ecological site: R042XC002NM - Shallow Sandy Hydric soil rating: No

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#### UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

#### ECOLOGICAL SITE DESCRIPTION

#### ECOLOGICAL SITE CHARACTERISTICS

Site Type:	Range				
Site ID:	R042XC025NM				
Site Name:	Shallow				
Precipitation or Climate Zone:		10 to 13 inches			
Phase:					

#### **PHYSIOGRAPHIC FEATURES**

#### Narrative: This site occurs on upland plains, fans and mesas, or between toe slopes of desert hills and drainage ways. Slopes range fro 0 to 15 percent. Direction of slope varies and is usually not significant. Elevations range from 2,842 to 4,500 feet. Land Form: 1. plain 2. fan 3. mesa Aspect: 1. Not signifant 2. 3. Minimum Maximum Elevation (feet) 2,842 4,500 Slope (percent) 0 15 Water Table Depth (inches) N/A N/A Flooding: Minimum Maximum Frequency N/A N/A Duration Ponding: Minimum Maximum Depth (inches) N/A N/A Frequency Duration **Runoff Class:** Negligible to High

#### **CLIMATIC FEATURES**

#### Narrative:

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost is late March or early April, and the first killing frost is in late October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Because of the shallow soil depth, the vegetation on this site can take advantage of moisture almost anytime it falls. Strong winds that blow from the west and southwest blow from January through June, which accelerates soil drying at a critical time for cool season plant growth.

	Minimum	Maximum
Frost-free period (days):	180	221
Freeze-free period (days):	199	240
Mean annual precipitation (inches):	10.0	13.0

Monthly moisture (inches) and temperature (<sup>0</sup>F) distribution:

	Precip. Min.	Precip. Max.	Temp. Min.	Temp. Max.
January	0.40	0.42	20.6	59.7
February	0.40	0.41	25.2	65.6
March	0.41	0.43	31.4	72.7
April	0.58	0.63	40.4	81.5
May	1.28	1.35	49.6	88.7
June	1.40	1.46	59.1	95.4
July	1.62	1.64	63.3	96.4
August	1.79	1.84	61.6	94.8
September	1.81	2.20	54.1	88.5
October	1.16	1.41	40.7	80.4
November	0.43	0.47	28.4	68.7
December	0.48	0.51	20.9	61.1

#### Climate Stations:

- (1) NM0600, Artesia, NM Period of record 1961 1990
- (2) NM0992, Bitter Lakes WL Refuge, NM Period of record 1961 1990
- (3) NM1469, Carlsbad, NM Period of record 1961 1990
- (4) NM293792, Hagerman, NM Period of record 1961 1990
- (5) NM299563, Waste Isolation Plant, NM Period of record 1961 1990
- (2) NM4346, Jal, NM Period of record 1961 1990

#### INFLUENCING WATER FEATURES

Narrative:

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

#### Wetland description:

System	Subsystem	Class
N/A		

If Riverine Wetland System enter Rosgen Stream Type: N/A

#### **REPRESENTATIVE SOIL FEATURES**

#### Narrative:

The soils of this site are shallow to very shallow. Surface layers are stony silty clay, gravelly loam and gravelly fine sandy loam. There is an indurated caliche layer of limestone bedrock that occurs within 20 inches and averages less than 10 inches. Permeability is moderate and moderately rapid and water holding capacity is low. All water is stored above the caliche layer in the shallow soil profile. Characteristic soils are: Delnorte very gravelly loam Lozier gravelly loam 0 to 5 percent slopes Potter gravelly loam Tencee gravelly fine sandy loam Upton gravelly loam Vieja stony silty clay Kimbrough gravelly loam

Parent Material Kind:	Alluvium
Parent Material Origin:	Mixed

Surface Texture:

1.	gravelly loam
2.	gravelly fine sandy loam
3.	stony silt clay

Surface Texture Modifier:

1.	gravel
2.	
3.	

Subsurface Texture Group:	N/A
Surface Fragments <=3" (% Cover):	15 - 40
Surface Fragments >3" (% Cover):	N/A
Subsurface Fragments <=3" (%Volume):	13 - 42
Subsurface Fragments >=3" (% Volume):	0 - 1

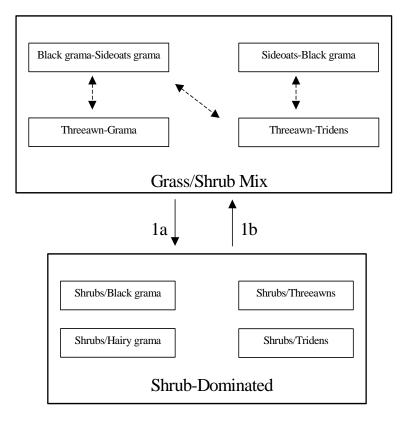
	Minimum	Maximum
Drainage Class:	Well	Well
Permeability Class:	very slow	moderately slow
Depth (inches):	4	24
Electrical Conductivity (mmhos/cm):	0	2
Sodium Absorption Ratio:	N/A	N/A
Soil Reaction (1:1 Water):	7.4	8.4
Soil Reaction (0.1M CaCl2):	N/A	N/A
Available Water Capacity (inches):	1	1
Calcium Carbonate Equivalent (percent):		

#### **Ecological Dynamics of the Site:**

#### Overview

The Shallow site is associated with and Limestone Hills, Loamy, and Shallow Sandy sites. When associated with Limestone Hills, the Shallow site occurs on the summits, foot slopes and toeslopes of hills. Loamy sites often occur as areas between low elongated hills with rounded crests (Shallow site). When the Shallow Sandy site and Shallow site occur in association, the Shallow Sandy soils occupy the tops of low ridges and the Shallow site soils occur on the steeper sideslopes of the ridge. The historic plant community of the Shallow site has the aspect of a grassland/shrub mix, dominated by grasses, but with shrubs common throughout the site. Black grama is the dominant grass species; creosotebush, mesquite, and catclaw mimosa are common shrubs. Overgrazing and or extended drought can reduce grass cover, effect a change in grass species dominance, and may result in a shrub-dominated state. Suppression of natural fire regimes may also facilitate the transition to shrub dominance.<sup>1</sup>

#### Plant Communities and Transitional Pathways (diagram)



MLRA-42, SD-3, Shallow

1a. Extended drought, overgrazing, no fire

1b. Brush control, Prescribed grazing

#### Plant Communities Photo Display & Descriptive Diagnosis

## MLRA 42; SD-3; Shallow

Grass/Shrub mix





Shrub-Dominated

•Threeawns-black grama community •Grass recovery following treatment with tebuthiuron •Transition back to Grass/Shrub mix





•Creosotebush-catclaw mimosa, with some broom snakeweed and a few scattered mesquite •Grass cover (hairy tridens-black grama) patchy, large connected bare areas present •Upton gravelly loam, Eddy Co., NM

Plant Community Name:	Historic Cli	imax Plant Co	ommunity	
Plant Community Sequence N	Number:	1	Narrative Label:	НСРС

#### **Plant Community Narrative:**

#### State Containing Historic Climax Plant Community

Grassland/Shrub Mix: The historic plant community is dominated by black grama with sideoats grama as the sub-dominant. Blue grama, hairy grama, bush muhly, and sand dropseed also occur in significant amounts. Sideoats grama can occur as the dominant grass with black grama as sub-dominant on the western side of the Land Resource Unit SD-3. This may be due to higher average elevation on the west side. Retrogression within this state due to extended drought or overgrazing will cause a decrease in species such as black grama, sideoats grama, blue grama, and bush muhly. Threeawns may become the dominant grass species due to a decline in more palatable grasses or because of its ability to quickly recover following drought. Continued loss of grass cover and associated increase in amount of bare ground may result in a shrub-dominated state. Decreased fire frequencies may also be an important component in the cause of this transition.

Diagnosis: Grass cover is fairly uniform, however, surface gravel, cobble, and bare ground make up a large percent of total ground cover, and grass production during unfavorable years may only average 150-175 pounds per acre. Shrubs are common with canopy cover averaging five to ten percent. Evidence of erosion such as rills and gullies are rare, but may occur on slopes greater than eight percent.

Ground Cover (Aveage Percent of Surface Area).

Grasses & Forbs	10-15
Bare ground	40 - 60
Surface cobble and stone	15 - 25
Litter (percent)	5 - 8
Litter (average depth in cm.)	2 - 3
Percent canopy	cover (trees, shrubs, and half-shrubs
Trees	0
Shrubs and half -shrubs	5 - 10

Plant Community Annual Production (by plant type):

Annual Production (lbs/ac)					
Plant Type	Low	RV	High		
Grass/Grasslike	168	352	536		
Forb	20	42	64		
Tree/Shrub/Vine	63	131	200		
Lichen					
Moss					
Microbiotic Crusts					
Totals	250	525	800		

**Plant Community Composition and Group Annual Production:** Plant species are grouped by annual production **not** by functional groups.

I faint Type	- 01a55/01a5	SIIKC		
Group	Scientific		Species	Group
Number	Plant	Common Name	Annual	Annual
	Symbol		Production	Production
1	BOER4	black grama	105 - 158	105 - 158
2	BOCU	sideoats grama	79 - 105	79 - 105
3	BOGR2	blue grama	79 - 105	79 - 105
3	BOHI2	hairy grama		
4	MUPO2	bush muhly	26 - 53	26 - 53
5	BOBA3	cane bluestem	16 - 26	16 - 26
6	SPCR	sand dropseed	26 - 53	26 - 53
7	ERPI5	hairy tridens	16 - 26	16 - 26
8	MUAR	ear muhly	5 - 16	5 - 16
9	HENE5	New Mexico feathergrass	5 - 16	5 - 16
10	DAPU7	fluffgrass	5 - 16	5 - 16
11	2GP	other grasses	16 - 26	16 - 26

Plant Type - Grass/Grasslike

#### Plant Type - Tree/Shrub/Vine

Group	Scientific		Species	Group
Number	Plant	Common Name	Annual	Annual
	Symbol		Production	Production
18	RHMI3	littleleaf sumac	5 - 16	5 – 16
19	LATR2	cresostebush	5 - 16	5 - 16
20	KRER	range ratany	5 - 16	5 - 16
21	MIERX	common javalinabush	5 - 16	5 - 16
22	FLCE	American tarbush	5 - 16	5 - 16
23	KOSP	spiny allthorn	5 - 16	5 – 16
24	PRGL2	mesquite	11 - 26	11 - 26
25	MIACB	catclaw mimosa	5 - 16	5 - 16
26	OPUNT	cactus	5 - 16	5 - 16
27	PAIN2	mariola	11 - 26	11 - 26
28	GUSA2	broom snakeweed	5 - 16	5 - 16
29	2SHRUB	other shrubs	16 - 26	16 - 26

Plant Type	- Forb			
Group	Scientific		Species	Group
Number	Plant	Common Name	Annual	Annual
	Symbol		Production	Production
12	TEACE	stemless actinea	11 - 26	11 - 26
13	PACAL5	wooly groundsel	5 - 16	5 - 16
14	SPHAE	globemallow	5 - 16	5 - 16
15	LESQU	bladderpod	5 - 16	5 - 16
16	CASSI	Senna	5 - 16	5 - 16
17	2FORB	other forbs	11 - 26	11 - 26

#### Plant Type - Lichen

Group Number	Scientific Plant Symbol	Common Name	Species Annual Production	Group Annual Production

#### Plant Type - Moss

Group Number	Scientific Plant Symbol	Common Name	Species Annual Production	Group Annual Production

#### Plant Type - Microbiotic Crusts

Group Number	Scientific Plant	Common Name	Species Annual	Group Annual
	Symbol		Production	Production

Other grasses that could appear on this site would include: vine-mesquite, silver bluestem, burrograss, spike dropseed, threeawns, tobosa, muhlys, Arizona cottontop and plains bristlegrass

Other woody plants include: condalia, tesajo cactus, Apacheplume, wolfberry, cactus, ephedra spp., yucca, witerfat and fourwing saltbush.

Other forbs include: desert zinnia, wolly paperflower, prickleaf dogweed, verbena, deerstongue, croton and wright's buckwheat.

Plant G	Growth C	urves									
Growth Curve ID			1	NM2825							
Growth Curve Name:				HCPC							
Growth Curve Description:				SD-3 Shal	low HC	PC War	n Seasor	n Plant C	Commun	ity	
Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
0	0	3	5	10 10 25 30 12 5 0				0			
Additional States:											

<u>Shrub-Dominated</u>: This state is characterized by an increase in shrubs and a decrease in grass cover relative to grassland/shrub mix. As grass cover decreases shrubs increase, especially creosotebush, catclaw mimosa, whitethorn acacia, and mesquite. Each of these shrub species may become dominant in localized areas or across the site, depending on the spatial variability in soil characteristics and landscape position. Black grama, threeawns, hairy grama, or hairy tridens may be the dominant grass species. Fluffgrass, burrograss and broom snakeweed increase in representation. The Shallow site is resistant to further state change, due to the natural rock armor of the soil and a shallow impermeable layer. The amount of rock fragments on the soil surface assist in retarding erosion. On Shallow sites with low slope, the shallow depth to either a petrocalcic layer or limestone bedrock helps to keep water perched and available to shallow rooted grasses for extended periods.<sup>2</sup>

<u>Diagnosis</u>: Shrubs are the dominant species, especially creosotebush, catclaw mimosa, whitethorn acacia, or mesquite. Grass cover is variable ranging from patchy with large connected bare areas present to sparse with only a limited amount in shrub inter-spaces.

**Transition to Shrub-Dominated (1a)** Overgrazing and or extended periods of drought, and suppression of natural fire regimes are thought to cause this transition. As grass cover is lost, soil fertility and available soil moisture decline, due to the reduction of organic matter and decreased infiltration.<sup>3</sup> Shrubs have the ability to extract nutrients and water from a greater area of soil than grasses and are better able to utilize limited water. Competition by shrubs for water and nutrients limits grass recruitment and establishment. Fire historically may have played a part in suppressing shrub expansion; fire suppression may therefore facilitate shrub expansion.

Key indicators of approach to transition:

- Decrease or change in composition or distribution of grass cover.
- Increase in size and frequency of bare patches.
- Increase in amount of shrub seedlings.

**Transition back to Grassland/Shrub Mix (1b)** Brush control is necessary to re-establish grasses. Prescribed grazing will help to ensure proper forage utilization and sustain grass cover. Once the transition is reversed and grass cover is re-established, prescribed fire might help in maintaining the Grassland/Shrub state.

#### ECOLOGICAL SITE INTERPRETATIONS

#### **Animal Community:**

This site provides habitats which support a resident animal community that is characterized by desert cottontail, spotted ground squirrel, Merriam's kangaroo rat, cactus mouse, white-throated woodrat, gray fox, spotted skunk, roadrunner, Swainson's hawk, white-necked raven, cactus wren, pyrrhuloxia, lark sparrow, mourning dove, scaled quail, leopard lizard, round-tailed horned lizard, prairie rattlesnake, Couch's spadefoot toad, marbled whiptail, and greater earless lizard.

Where associated with limestone hills, mule deer utilize this site. Where large woody shrubs occur, most resident birds and scissor-tailed flycatcher, morning dove, lark sparrow and Swainson's hawk nest.

#### **Hydrology Functions:**

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations						
Soil Series	Hydrologic Group					
Delnorte	С					
Lozier	D					
Potter	С					
Tencee	D					
Upton	С					
Kimbrough	D					
Vieja	D					

#### **Recreational Uses:**

This site offers recreation potential for hiking, horseback riding, rock hunting, nature photography and bird hunting and birding. During years of abundant spring moisture, a colorful array of wild flowers is displayed during May and June. A few summer and fall flowers also occur.

#### **Wood Products:**

This site has no potential for wood production.

#### **Other Products:**

This site is suited for grazing by all kinds and classes of livestock during all seasons of the year. Missmanagement will cause a decrease in black grama, sideoats grama, and blue grama, bush muhly and New Mexico feathergrass. A corresponding increase in bare ground will occur. There will also be an increase in muhlys, fluffgrass, creosotebush, javalinabush and mesquite. This site will respond best to a system of management that rotates the season of use.

Other Information:	
Guide to Suggested Initial Stocking	g Rate Acres per Animal Unit Month
Similarity Index	Ac/AUM
100 - 76	3.7 – 4.5
75 – 51	4.3 – 5.5
50 - 26	5.3 - 10.0
25 - 0	10.1 +

	Code	Species Preference		C	Code									
Stems	S	None Selected				N/S								
Leaves	L					-	Р							
Flowers	F F	Desirab					D							
Fruit/Seeds	F/S EP	Undesir					U N							
Entire Plant Underground Parts	UP	Not Cor Emerge					E							
Olderground Parts	UF	Toxic	псу				T							
Animal Kind:	Livestock	TOALC					1							
Animal Type:	Cattle													
		Plant					Fora	ge Pr	refere	ences				
Common Name	Scientific Name	Part	J	F	М	А	М	J	J	Α	S	0	Ν	D
black grama	Bouteloua eriopoda	EP	Р	Р	Р	D	D	D	D	D	D	D	Р	Р
sideoats grama	Bouteloua	EP	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
<u>j</u>	curtipendula													
blue grama	Bouteloua gracilis	EP	D	D	D	D	Р	Р	Р	Р	Р	D	D	D
hairy grama	Bouteloua hirsuta	EP	D	D	D	D	Р	Р	Р	Р	Р	D	D	D
bush muhly	Muhlenbergia porterti	EP	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
cane bluestem	Bothriochloa	EP	U	U	U	U	U	U	Р	Р	D	U	U	U
	barbinodis													
sand dropseed	Sporobolus	EP	U	U	U	D	D	D	D	D	D	U	U	U
	cryptandrus	EP	N/S	N/S	N/S	D	D	D	D	D	Р	Р	Р	N/S
globemallow	Sphaeralcea							_			_	-		
bladderpod	Lesquerella	EP	N/S	N/S	D	D	D	D	N/S	N/S	N/S	N/S	N/S	N/S
Senna	Cassia L.	EP	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
cresostebush	Larrea tridentata	L	U	U	U	U	U	U	U	U	U	U	U	U
common	Microrhamnus	EP	U	U	U	U	U	U	U	U	U	U	U	U
javalinabush	eridoides													
American tarbush	Flourensia cernua	EP	U	U	U	U	U	U	U	U	U	U	U	U
mesquite	Prosopis glandulosa	EP	U	U	U	U	U	U	U	U	U	U	U	U
catclaw mimosa	Mimosa aculeaticarpa		U	U	U	U	U	U	U	U	U	U	U	U
cactus	opuntia sp.	EP	Е	Е	Е	Е	Е	Е	E	Е	Е	Е	Е	Е
mariola	Parthenium incanum	EP	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
broom snakeweed	Gutierrezia sarothrae	L/F	U	U	U	U	U	Т	Т	U	U	U	U	U

#### **Plant Preference by Animal Kind:**

#### **Supporting Information**

Associated Sites: Site Name	Site ID	Site Narrative					
<u>Similiar Sites:</u> <u>Site Name</u>	Site ID	Site Narrative					
State Correlation: This site has been correlated with the following states: Texas							
Number	of						

	Number of			
Data Source	<u>Records</u>	Sample Period	<u>State</u>	County

Type Locality:

Relationship to Other Established Classifications:

Other References:

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico (SD-3). This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Characteristic soils are:

Delnorte very gravelly loam	Lozier gravelly loam 0-5% slope	Potter gravelly loam
Tencee gravelly fine sandy loam	Upton gravelly loam	Vieja stony silty clay
Kimgrough gravelly loam		

1. Humphrey, R.R. 1974. Fire in the deserts and desert grassland of North America. In: Kozlowski, T. T.; Ahlgren, C. E., eds. Fire and ecosystems. New York: Academic Press: 365-400.

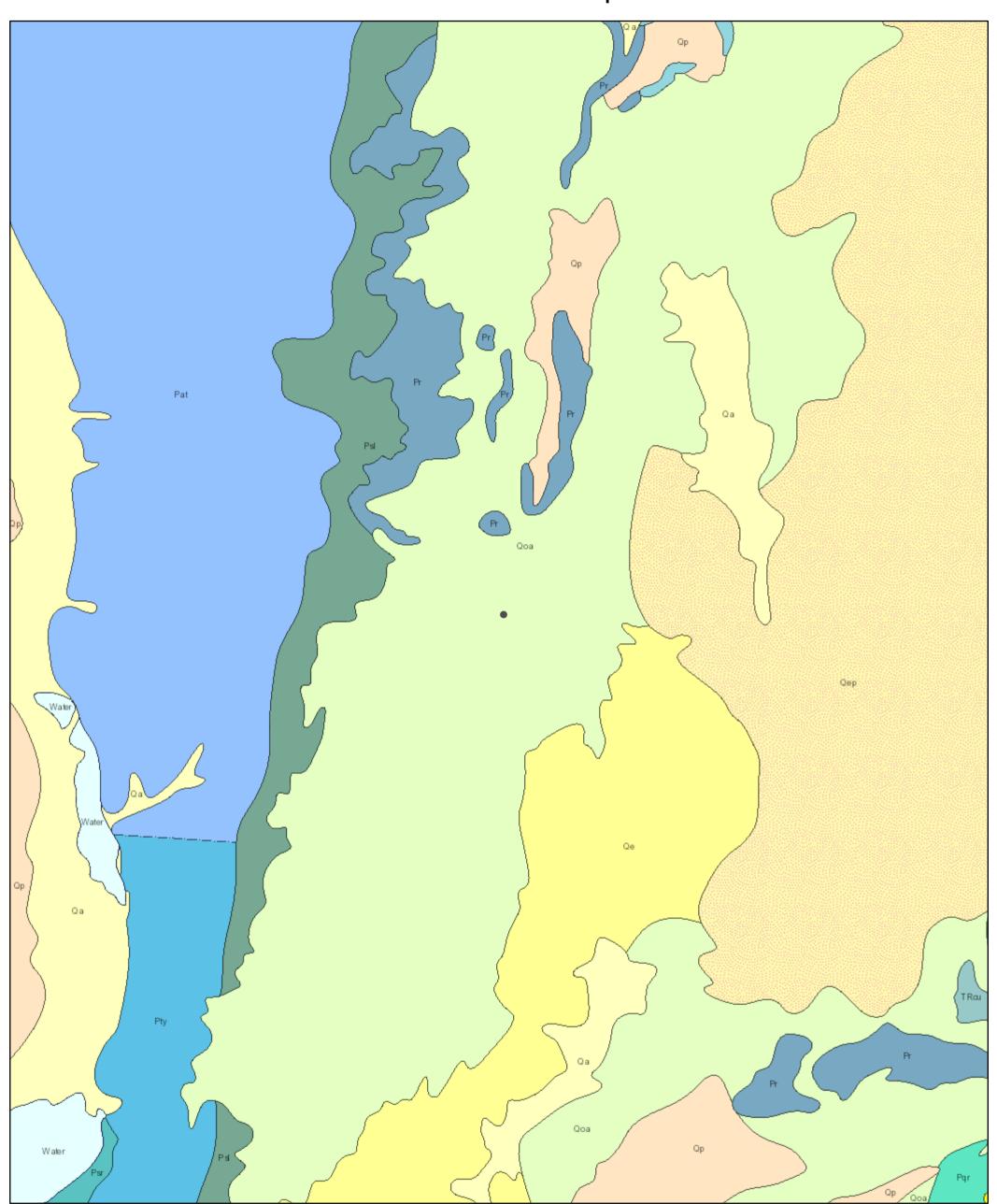
2. Hennessy, J.T., R.P. Gibbens, J.M. Tromble, and M. Cardenas. 1983. Water properties of caliche. J. Range Manage. 36: 723-726.

3. U.S. Department of Agriculture, Natural Resources Conservation Service. 2001. Soil Quality Information Sheets. Rangeland Soil Quality—Infiltration, Organic Matter, Rangeland Sheets 5,6. [Online]. Available: http://www.statlab.iastate.edu/survey/SQI/range.html

Site Description Approval: Author Date Approval Date 07/12/1979 Don Sylvester 07/12/1979 Don Sylvester Site Description Revision: Author Approval Date Date David Trujillo 03/26/03 George Chavez 03/26/03

•

# ArcGIS Web Map

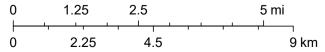


#### 8/20/2022, 2:45:28 PM

#### Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perenial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)





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

#### ArcGIS Web AppBuilder

Released to Imaging on A Released to Imaging o

# **ATTACHMENT 6**

From:	Dhugal Hanton <vertexresourcegroupusa@gmail.com></vertexresourcegroupusa@gmail.com>
Sent:	September 2, 2022 4:02 PM
То:	Enviro, OCD, EMNRD; spills@slo.state.nm.us
Cc:	Monica Peppin; agroves@durangomidstream.com
Subject:	nAPP2222822822 48 HR Confirmation Sample Notification

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Tuesday, September 6, 2022 through September 9, 2022 at approximately 8:00 a.m., McKitrick Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

From: Sent:	Dhugal Hanton <vertexresourcegroupusa@gmail.com> September 7, 2022 4:25 PM</vertexresourcegroupusa@gmail.com>
То:	Enviro, OCD, EMNRD; spills@slo.state.nm.us
Cc:	agroves@durangomidstream.com; Monica Peppin
Subject:	nAPP2222822822 48 HR Confirmatory Sample Notification Coyote Steel Line

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Monday, September 12, 2022 through September 16, 2022 at approximately 8:00 a.m., McKitrick Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

From: Sent:	Dhugal Hanton <vertexresourcegroupusa@gmail.com> September 19, 2022 4:30 PM</vertexresourcegroupusa@gmail.com>
То:	Enviro, OCD, EMNRD; spills@slo.state.nm.us
Cc:	agroves@durangomidstream.com; Monica Peppin
Subject:	nAPP2222822822 48 HR Confirmatory Sample Notification Coyote Steel Line

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Thursday, September 22, 2022 through September 23, 2022 at approximately 8:00 a.m., McKitrick Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

From: Sent:	Dhugal Hanton <vertexresourcegroupusa@gmail.com> September 23, 2022 9:38 AM</vertexresourcegroupusa@gmail.com>
То:	Enviro, OCD, EMNRD; spills@slo.state.nm.us
Cc:	Monica Peppin; agroves@durangomidstream.com
Subject:	nAPP2222822822 48 HR Confirmatory Notification Coyote Steel Line

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Tuesday, September 27, 2022 through September 30, 2022 at approximately 9:30 a.m., McKitrick Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

From: Sent:	Dhugal Hanton <vertexresourcegroupusa@gmail.com> September 30, 2022 1:54 PM</vertexresourcegroupusa@gmail.com>
То:	Enviro, OCD, EMNRD; spills@slo.state.nm.us
Cc:	Monica Peppin; agroves@durangomidstream.com
Subject:	nAPP2222822822 48 HR Confirmatory Notification Coyote Steel Line

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Tuesday, October 4, 2022 through Friday October 7, 2022 at approximately 9:30 a.m., McKitrick Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

From: Sent:	Dhugal Hanton <vertexresourcegroupusa@gmail.com> October 14, 2022 10:00 AM</vertexresourcegroupusa@gmail.com>
To:	Enviro, OCD, EMNRD; spills@slo.state.nm.us; Monica Peppin; agroves@durangomidstream.com
Subject:	nAPP2222822822 48 HR Confirmatory Notification Coyote Steel Line

All,

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

nAPP2222822822 DOR: 8/08/2022 Site Name: ABO-Plant to Coyote 12" Steel Line Receiver HP

This work will be completed on behalf of Frontier Field Services, LLC

On Wednesday, October 19, 2022 through October 20, 2022 at approximately 10:00 a.m., Monica Peppin will be on site to conduct additional confirmatory sampling to assess the release listed above. He can be reached at 575-361-9880. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

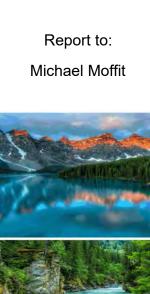
Monica Peppin Project Manager

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

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

# **ATTACHMENT 7**





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Durango Midstream

Project Name:

ABO - Coyote 12"

Work Order: E208160

Job Number: 21080-0001

Received: 8/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/1/22

Michael Moffit 10077 Grogans Mill Rd Ste 300 The Woodlands, TX 77380

Project Name: ABO - Coyote 12" Workorder: E208160 Date Received: 8/29/2022 10:32:00AM

Michael Moffit,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2022 10:32:00AM, under the Project Name: ABO - Coyote 12".

The analytical test results summarized in this report with the Project Name: ABO - Coyote 12" apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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eceived by OCD: 11/8/2022 8:32:26 AM			Page 1	01 of 377
	Sample Sum	mary		
Durango Midstream	Project Name:	ABO - Coyote 12"	Depented	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	Reported:	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	09/01/22 11:02	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22-01 0'	E208160-01A	Soil	08/24/22	08/29/22	Glass Jar, 4 oz.
BH22-01 4'	E208160-02A	Soil	08/24/22	08/29/22	Glass Jar, 4 oz.
BH22-01 12'	E208160-03A	Soil	08/24/22	08/29/22	Glass Jar, 4 oz.



	~•	impic D				
Durango Midstream	Project Name:	Number: 21080-0001		2"		D (1
10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Numbe Project Manag				<b>Reported:</b> 9/1/2022 11:02:30AM	
The woodands TX, 77500	Floject Mailag	ei. Mile				9/1/2022 11:02:30AW
	]	BH22-01 0'				
		E208160-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236019
Benzene	ND	0.0250	1	08/30/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/30/22	08/30/22	
Toluene	ND	0.0250	1	08/30/22	08/30/22	
o-Xylene	ND	0.0250	1	08/30/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/30/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/30/22	08/30/22	
Surrogate: Bromofluorobenzene		104 %	70-130	08/30/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	08/30/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/30/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236019
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/22	08/30/22	
Surrogate: Bromofluorobenzene		104 %	70-130	08/30/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	08/30/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/30/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2236022
Diesel Range Organics (C10-C28)	91.6	50.0	2	08/30/22	08/30/22	
Oil Range Organics (C28-C36)	118	100	2	08/30/22	08/30/22	
Surrogate: n-Nonane		96.4 %	50-200	08/30/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236011
Chloride	503	20.0	1	08/29/22	08/30/22	





Sample Data	
-------------	--

	5	ample D	ala					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name: Project Number	er: 2108	D - Coyote 30-0001 hael Moffi	Reported:				
The woodiands TX, 77580	Project Manag	ger: Mile		l			9/1/2022 11:02:30AM	
		BH22-01 4'						
		E208160-02						
		Reporting						
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236019	
Benzene	ND	0.0250		1	08/30/22	08/30/22		
Ethylbenzene	ND	0.0250		1	08/30/22	08/30/22		
Toluene	ND	0.0250		1	08/30/22	08/30/22		
p-Xylene	ND	0.0250		1	08/30/22	08/30/22		
o,m-Xylene	ND	0.0500		1	08/30/22	08/30/22		
Total Xylenes	ND	0.0250		1	08/30/22	08/30/22		
Surrogate: Bromofluorobenzene		102 %	70-130		08/30/22	08/30/22		
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/30/22	08/30/22		
Surrogate: Toluene-d8		103 %	70-130		08/30/22	08/30/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236019	
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/30/22	08/30/22		
Surrogate: Bromofluorobenzene		102 %	70-130		08/30/22	08/30/22		
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/30/22	08/30/22		
Surrogate: Toluene-d8		103 %	70-130		08/30/22	08/30/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236022	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/30/22	08/30/22		
Dil Range Organics (C28-C36)	ND	50.0		1	08/30/22	08/30/22		
Surrogate: n-Nonane		91.4 %	50-200		08/30/22	08/30/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011	
Chloride	244	20.0		1	08/29/22	08/30/22		



#### Sample Data

	50	imple D	ala					
Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Name: Project Numbe	r: 2108	D - Coyote 30-0001	<b>Reported:</b>				
The Woodlands TX, 77380	Project Manag	er: Mic	hael Moffi	ı			9/1/2022 11:02:30AM	
	В	H22-01 12'						
	]	E208160-03						
		Reporting						
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg Analyst: IY			IY		Batch: 2236019	
Benzene	ND	0.0250		1	08/30/22	08/30/22		
Ethylbenzene	ND	0.0250		1	08/30/22	08/30/22		
Toluene	ND	0.0250		1	08/30/22	08/30/22		
p-Xylene	ND	0.0250		1	08/30/22	08/30/22		
o,m-Xylene	ND	0.0500		1	08/30/22	08/30/22		
Total Xylenes	ND	0.0250		1	08/30/22	08/30/22		
Surrogate: Bromofluorobenzene		99.5 %	70-130		08/30/22	08/30/22		
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		08/30/22	08/30/22		
Surrogate: Toluene-d8		106 %	70-130		08/30/22	08/30/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		IY		Batch: 2236019	
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/30/22	08/30/22		
Surrogate: Bromofluorobenzene		99.5 %	70-130		08/30/22	08/30/22		
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		08/30/22	08/30/22		
Surrogate: Toluene-d8		106 %	70-130		08/30/22	08/30/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236022	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/30/22	08/30/22		
Oil Range Organics (C28-C36)	ND	50.0		1	08/30/22	08/30/22		
Surrogate: n-Nonane		95.9 %	50-200		08/30/22	08/30/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2236011	
Chloride	275	20.0		1	08/29/22	08/30/22		



# QC Summary Data

		QC D	umma	ii y Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	21	BO - Coyote 12' 080-0001 ichael Moffit	T				<b>Reported:</b> 9/1/2022 11:02:30AM
·	v	olatile Organic	Compo	unds by EPA	8260F	2			Aughert IV
	•		compo		02001	,			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236019-BLK1)							Prepared: 08	8/30/22 Ai	nalyzed: 08/30/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS (2236019-BS1)							Prepared: 08	8/30/22 Ai	nalyzed: 08/30/22
Benzene	2.42	0.0250	2.50		96.8	70-130			
Ethylbenzene	2.35	0.0250	2.50		94.2	70-130			
Toluene	2.29	0.0250	2.50		91.4	70-130			
p-Xylene	2.20	0.0250	2.50		87.9	70-130			
p,m-Xylene	4.37	0.0500	5.00		87.3	70-130			
Total Xylenes	6.57	0.0250	7.50		87.5	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS Dup (2236019-BSD1)							Prepared: 08	8/30/22 Ai	nalyzed: 08/30/22
Benzene	2.34	0.0250	2.50		93.4	70-130	3.49	23	
Ethylbenzene	2.27	0.0250	2.50		90.8	70-130	3.70	27	
Toluene	2.22	0.0250	2.50		88.7	70-130	3.07	24	
p-Xylene	2.14	0.0250	2.50		85.5	70-130	2.81	27	
p,m-Xylene	4.19	0.0500	5.00		83.9	70-130	4.08	27	
Total Xylenes	6.33	0.0250	7.50		84.4	70-130	3.65	27	
	0.408		0.500		99.6	70-130			
Surrogate: Bromofluorobenzene	0.498								
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		96.3	70-130			



# **QC Summary Data**

		QC D	uIIIII	ary Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	2	ABO - Coyote 12 21080-0001 Michael Moffit	"				<b>Reported:</b> 9/1/2022 11:02:30AM
	No	nhalogenated C	Organics	by EPA 8015	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2236019-BLK1)							Prepared: 0	8/30/22 A	nalyzed: 08/30/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS (2236019-BS2)							Prepared: 0	8/30/22 A	nalyzed: 08/30/22
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS Dup (2236019-BSD2)							Prepared: 0	8/30/22 A	nalyzed: 08/30/22
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130	1.17	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



# **QC Summary Data**

		QC D	u 111111	ary Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:		ABO - Coyote 12 21080-0001 Michael Moffit	"				<b>Reported:</b> 9/1/2022 11:02:30AM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2236022-BLK1)							Prepared: 0	8/30/22 A	Analyzed: 08/30/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	46.4		50.0		92.9	50-200			
LCS (2236022-BS1)							Prepared: 0	8/30/22 A	Analyzed: 08/30/22
Diesel Range Organics (C10-C28)	240	25.0	250		95.8	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			
Matrix Spike (2236022-MS1)				Source: E	208160-	01	Prepared: 0	8/30/22 A	Analyzed: 08/30/22
Diesel Range Organics (C10-C28)	285	25.0	250	91.6	77.5	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike Dup (2236022-MSD1)				Source: E	208160-	01	Prepared: 0	8/30/22 A	Analyzed: 08/30/22
Diesel Range Organics (C10-C28)	299	25.0	250	91.6	83.0	38-132	4.77	20	
Surrogate: n-Nonane	48.2		50.0		96.5	50-200			



### **QC Summary Data**

		•		v					
Durango Midstream 10077 Grogans Mill Rd Ste 300		Project Name: Project Number:		BO - Coyote 1 1080-0001	2"				Reported:
The Woodlands TX, 77380		Project Manager:		lichael Moffit					9/1/2022 11:02:30AM
		Anions	by EPA	300.0/9056A	<b>\</b>				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236011-BLK1)							Prepared: 0	8/29/22 A	analyzed: 08/29/22
Chloride	ND	20.0							
LCS (2236011-BS1)							Prepared: 0	8/29/22 A	analyzed: 08/29/22
Chloride	245	20.0	250		97.8	90-110			
LCS Dup (2236011-BSD1)							Prepared: 0	8/29/22 A	analyzed: 08/29/22
Chloride	244	20.0	250		97.7	90-110	0.121	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Durango Midstream	Project Name:	ABO - Coyote 12"	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	Reported:
The Woodlands TX, 77380	Project Manager:	Michael Moffit	09/01/22 11:02

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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oject: ABG-Coyote 12"	Attention: Address: On File		Lab W	)# \$3.117	5	Job N	10,000 10,000	$\mathbf{M}$	1D	2D	3D	Standard	CWA	SDWA
oject Manager: M. Maffit	Address: ON トービー City, State, Zip		For	alu	$\overline{\mathcal{O}}$	Analys	sis and M	ethod			l	$\widehat{}$		RCRA
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ampled Sampled Matrix No. of Containers Sample ID		Number	HdI	8015 BTEX	<u>Š</u>	Ĕ	<u></u>		BGDOC	BGDOC			Remarks	
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LC: Mich	uel Moffit					Ic	417					ived on ice the day		.4 .
field sampler), attest to the validity and authenticity of this sample. te or time of collection is considered fraud and may be grounds for i	I am aware that tampering with or intentionally mislal legal action.	belling the same $\mathcal{V}_{\mathcal{F}}$	ier	on,								s than 6 °C on subse		ea ar
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						AVG	Temp °C	4						
mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe										ha 4000-6 f +!		6 bb -
te: Samples are discarded 30 days after results are reported nove samples is applicable only to those samples received by										exper	ise. I	he report for th	e analysis c	f the
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	P	age 13 c	\f 1/			~								

### **Envirotech Analytical Laboratory**

Client:	Durango Midstream	Date Received:	08/29/22	10:32		Work Order ID:	E208160
Phone:	(575) 676-3500	Date Logged In:	08/29/22	11:01		Logged In By:	Caitlin Christian
Email:	mmoffit@vertex.ca	Due Date:	09/02/22	17:00 (4 day TA	T)		
Chain of	Custody (COC)						
. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier	r: <u>UPS</u>		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Commen	ts/Resolution
Sample ]	Furn Around Time (TAT)						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
). Was th	e sample(s) received intact, i.e., not broken?		Yes				
0. Were	custody/security seals present?		No				
1. If yes	, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample to	received w/i 15	Yes				
	Container	<b>I I I I I</b>					
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
7. Was a	a trip blank (TB) included for VOC analyses?		NA				
8. Are n	on-VOC samples collected in the correct containers?		Yes				
9. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:					
	ample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes				
	Preservation		No				
-	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	, does the COC specify which phase(s) is to be analyz		NA				
-	ract Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	ampres required to get sent to a subcontract laborator,	<i>,</i> .	110				

Signature of client authorizing changes to the COC or sample disposition.







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Durango Midstream

Project Name:

ABO - Coyote 12"

Work Order: E209045

Job Number: 21080-0001

Received: 9/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/16/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/16/22

Michael Moffit 10077 Grogans Mill Rd Ste 300 The Woodlands, TX 77380

Project Name: ABO - Coyote 12" Workorder: E209045 Date Received: 9/12/2022 8:50:00AM

Michael Moffit,



Page 113 of 377

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2022 8:50:00AM, under the Project Name: ABO - Coyote 12".

The analytical test results summarized in this report with the Project Name: ABO - Coyote 12" apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

		Sample Sum	mary		
Durango Midstream 10077 Grogans Mill Rd Ste 300		Project Name:	ABO - Coyote 12"		Reported:
The Woodlands TX, 77380		Project Number: Project Manager:			09/16/22 13:54
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
VS22-01 4-8'	E209045-01A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
VS22-02 0-4'	E209045-02A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
VS22-02 4-8'	E209045-03A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
S22-01 8'	E209045-04A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
S22-02 8'	E209045-05A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
822-03 0.5'	E209045-06A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
S22-04 2'	E209045-07A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
S22-05 2'	E209045-08A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
S22-06 2'	E209045-09A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
/S22-03 0-4'	E209045-10A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
'S22-03 4-8'	E209045-11A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
/S22-04 0-4'	E209045-12A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.
'S22-04 4-8'	E209045-13A	Soil	09/06/22	09/12/22	Glass Jar, 4 oz.



		mpic D					
Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Name: Project Numbe		D - Coyote 1 30-0001	12"			Reported:
The Woodlands TX, 77380	Project Manag		hael Moffit				9/16/2022 1:54:01PM
	W	/S22-01 4-8'					
		E209045-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2238010
Benzene	ND	0.0250	1	l	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	l	09/12/22	09/13/22	
Toluene	ND	0.0250	1	l	09/12/22	09/13/22	
p-Xylene	ND	0.0250	1	l	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500	1	l	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	l	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	Y		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0	1	L	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0	1	l	09/12/22	09/14/22	
Surrogate: n-Nonane		93.4 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2238028
Chloride	85.4	20.0	1	l	09/13/22	09/15/22	

# Sample Data



Sample	<b>Data</b>
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	3	ample D	ลเล				
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name Project Numb Project Manag	per: 2108	D - Coyote 30-0001 hael Moffi				<b>Reported:</b> 9/16/2022 1:54:01PM
	1	WS22-02 0-4'					
		E209045-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
o-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		91.8 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2238028
Chloride	347	20.0		1	09/13/22	09/15/22	



Samp	le Data
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	58	ample D	ลเล				
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name: Project Numbe Project Manag	er: 2108	D - Coyote 30-0001 hael Moffi				<b>Reported:</b> 9/16/2022 1:54:01PM
	v	VS22-02 4-8'					
		E209045-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
o-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		86.4 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2238028
Chloride	ND	20.0		1	09/13/22	09/15/22	



Sample Data	
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	25	imple D	ala				
Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Name: Project Numbe	r: 2108	) - Coyote 30-0001				Reported:
The Woodlands TX, 77380	Project Manag	er: Mıc	nael Moffi	ıt			9/16/2022 1:54:01PM
	]	BS22-01 8'					
	]	E209045-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
p-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: ЛL		Batch: 2238016
Diesel Range Organics (C10-C28)	31.7	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		97.9 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2238028
Chloride	302	20.0		1	09/13/22	09/15/22	



Sample Data	Sampl	le Data	
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	Di	ample D	ลเล				
Durango Midstream	Project Name:		) - Coyote	:12"			
10077 Grogans Mill Rd Ste 300	Project Numbe		30-0001				Reported:
The Woodlands TX, 77380	Project Manag	er: Mic	hael Moffi	t			9/16/2022 1:54:01PM
		BS22-02 8'					
		E209045-05					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
p-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		90.9 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2238028
Chloride	415	20.0		1	09/13/22	09/15/22	



Samp	ole Data	
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	Di	ample D	ala				
Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Name: Project Numbe		D - Coyote	12"			Reported:
The Woodlands TX, 77380	Project Manag	5					9/16/2022 1:54:01PM
	, ,			c.			
	E	BS22-03 0.5'					
		E209045-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
o-Xylene	ND	0.0250		1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		100 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2238028
Chloride	116	20.0		1	09/13/22	09/15/22	



Sample Data
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		Sample D	ลเล				
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name Project Num Project Mana	ber: 2108	D - Coyote 80-0001 hael Moffi				<b>Reported:</b> 9/16/2022 1:54:01PM
		BS22-04 2'					
		E209045-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
oluene	ND	0.0250		1	09/12/22	09/13/22	
-Xylene	ND	0.0250		1	09/12/22	09/13/22	
,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		90.2 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2238028
Chloride	133	20.0		1	09/13/22	09/15/22	



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Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Name Project Numb		) - Coyote 80-0001	12"			Reported:
The Woodlands TX, 77380	Project Manag	ger: Micl	nael Moffit	t			9/16/2022 1:54:01PM
		BS22-05 2'					
		E209045-08					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
o-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		103 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		103 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		94.8 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2238028
Chloride	54.3	20.0		1	09/13/22	09/15/22	



Samp	ole Data	
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	5	ample D	ala				
Durango Midstream	Project Name		D - Coyote	12"			<b>N</b>
10077 Grogans Mill Rd Ste 300	Project Numb		30-0001				Reported:
The Woodlands TX, 77380	Project Mana	ger: Mic	hael Moffi	t			9/16/2022 1:54:01PM
		BS22-06 2'					
		E209045-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/13/22	
Toluene	ND	0.0250		1	09/12/22	09/13/22	
o-Xylene	ND	0.0250		1	09/12/22	09/13/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/13/22	
Fotal Xylenes	ND	0.0250		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		90.1 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2238028
Chloride	195	20.0		1	09/13/22	09/15/22	



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Sample Data										
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name: Project Numbe Project Manag	er: 2108	D - Coyote 30-0001			<b>Reported:</b> 9/16/2022 1:54:01PM				
The woodiands TX, 7/580	Project Manag	er. Mic	Michael Moffit				9/10/2022 1.54.01FW			
	W	VS22-03 0-4'								
	-	E209045-10								
		Reporting								
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg Analyst: IY					Batch: 2238010			
Benzene	ND	0.0250		1	09/12/22	09/14/22				
Ethylbenzene	ND	0.0250		1	09/12/22	09/14/22				
Toluene	ND	0.0250		1	09/12/22	09/14/22				
p-Xylene	ND	0.0250		1	09/12/22	09/14/22				
o,m-Xylene	ND	0.0500		1	09/12/22	09/14/22				
Total Xylenes	ND	0.0250		1	09/12/22	09/14/22				
Surrogate: Bromofluorobenzene		99.4 %	70-130		09/12/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/12/22	09/14/22				
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/14/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	y/kg Analyst		: IY	Batch: 2238010				
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/14/22				
Surrogate: Bromofluorobenzene		99.4 %	70-130		09/12/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/12/22	09/14/22				
Surrogate: Toluene-d8		106 %	70-130		09/12/22	09/14/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2238016			
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22				
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22				
Surrogate: n-Nonane		96.5 %	50-200		09/12/22	09/14/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2238028			
Chloride	155	20.0		1	09/13/22	09/15/22				



Sample Data	
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Sample Data									
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name: Project Numbe Project Manag	er: 2108	) - Coyote 80-0001 nael Moffi				<b>Reported:</b> 9/16/2022 1:54:01PM		
		vs22-03 4-8'							
		E209045-11							
		Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	Batch: 2238010				
Benzene	ND	0.0250		1	09/12/22	09/14/22			
Ethylbenzene	ND	0.0250		1	09/12/22	09/14/22			
Toluene	ND	0.0250		1	09/12/22	09/14/22			
o-Xylene	ND	0.0250		1	09/12/22	09/14/22			
o,m-Xylene	ND	0.0500		1	09/12/22	09/14/22			
Total Xylenes	ND	0.0250		1	09/12/22	09/14/22			
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/12/22	09/14/22			
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/12/22	09/14/22			
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/14/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2238010		
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/14/22			
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/12/22	09/14/22			
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/12/22	09/14/22			
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/14/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2238016		
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22			
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22			
Surrogate: n-Nonane		85.7 %	50-200		09/12/22	09/14/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2238028		
Chloride	2100	40.0		2	09/13/22	09/15/22			



Sample Data										
Durango Midstream	Project Nam	e: ABO	D - Coyote 12	2"						
10077 Grogans Mill Rd Ste 300	Project Num	ber: 2108	80-0001		Reported:					
The Woodlands TX, 77380	Project Man	ager: Mic	hael Moffit			9/16/2022 1:54:01PM				
		WS22-04 0-4'								
		E209045-12								
		Reporting								
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2238010				
Benzene	ND	0.0250	1	09/12/22	09/14/22					
Ethylbenzene	ND	0.0250	1	09/12/22	09/14/22					
Toluene	ND	0.0250	1	09/12/22	09/14/22					
p-Xylene	ND	0.0250	1	09/12/22	09/14/22					
p,m-Xylene	ND	0.0500	1	09/12/22	09/14/22					
Total Xylenes	ND	0.0250	1	09/12/22	09/14/22					
Surrogate: Bromofluorobenzene		103 %	70-130	09/12/22	09/14/22					
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	09/12/22	09/14/22					
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2238010				
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/14/22					
Surrogate: Bromofluorobenzene		103 %	70-130	09/12/22	09/14/22					
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	09/12/22	09/14/22					
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22					
Nonhalogenated Organics by FPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: JL		Batch: 2238016				

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2238016
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/12/22	09/14/22	
Surrogate: n-Nonane		94.9 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2238028
Chloride	126	20.0	1	1	09/13/22	09/15/22	



Sample Data	
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Sample Data										
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name: Project Numbe Project Manag	er: 2108	D - Coyote 30-0001 hael Moffi	<b>Reported:</b> 9/16/2022 1:54:01PM						
WS22-04 4-8'										
		E209045-13								
		Reporting								
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	/kg Analyst: IY				Batch: 2238010			
Benzene	ND	0.0250		1	09/12/22	09/14/22				
Ethylbenzene	ND	0.0250		1	09/12/22	09/14/22				
oluene	ND	0.0250		1	09/12/22	09/14/22				
o-Xylene	ND	0.0250		1	09/12/22	09/14/22				
,m-Xylene	ND	0.0500		1	09/12/22	09/14/22				
Total Xylenes	ND	0.0250		1	09/12/22	09/14/22				
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/12/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/12/22	09/14/22				
urrogate: Toluene-d8		105 %	70-130		09/12/22	09/14/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2238010			
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/14/22				
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/12/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/12/22	09/14/22				
Surrogate: Toluene-d8		105 %	70-130		09/12/22	09/14/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2238016			
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/15/22				
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/15/22				
Surrogate: n-Nonane		98.2 %	50-200		09/12/22	09/15/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2238028			
Chloride	ND	20.0		1	09/13/22	09/15/22				



# QC Summary Data

		<u> </u>		ii y Data	-					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	21	BO - Coyote 12 080-0001 ichael Moffit	2"			9/1	<b>Reported:</b> 6/2022 1:54:01PM	
		Volatile Organic	Compo	unds by EP	A 82601	B	Analyst: IY			
				-						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2238010-BLK1)							Prepared: 0	9/12/22 Anal	yzed: 09/13/22	
Benzene	ND	0.0250							-	
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
		0.0250	0.500		99.3	70-130				
Surrogate: Bromofluorobenzene	0.497									
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130				
Surrogate: Toluene-d8	0.533		0.500		107	70-130				
LCS (2238010-BS1)							Prepared: 0	9/12/22 Anal	yzed: 09/13/22	
Benzene	1.85	0.0250	2.50		74.1	70-130				
Ethylbenzene	2.03	0.0250	2.50		81.3	70-130				
Toluene	1.86	0.0250	2.50		74.3	70-130				
o-Xylene	1.88	0.0250	2.50		75.3	70-130				
p,m-Xylene	3.75	0.0500	5.00		75.1	70-130				
Total Xylenes	5.64	0.0250	7.50		75.2	70-130				
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130				
Surrogate: 1,2-Dichloroeinane-a4 Surrogate: Toluene-d8	0.401		0.500		100	70-130				
Matrix Spike (2238010-MS1)				Source: I	E <b>209045</b> -	06	Prepared: 0	9/12/22 Anal	yzed: 09/13/22	
Benzene	2.13	0.0250	2.50	ND	85.2	48-131	1		<u> </u>	
Ethylbenzene	2.25	0.0250	2.50	ND	89.8	45-135				
Toluene	2.23	0.0250	2.50	ND	87.0	48-130				
	2.09		2.50	ND	83.6	43-130				
o-Xylene	4.15	0.0250	5.00	ND	82.9	43-135				
p,m-Xylene	4.15 6.24	0.0500	5.00 7.50	ND ND	82.9	43-135				
Total Xylenes		0.0250								
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				
Matrix Spike Dup (2238010-MSD1)				Source: I	E <b>209045</b> -	06	Prepared: 0	9/12/22 Anal	yzed: 09/13/22	
Benzene	1.87	0.0250	2.50	ND	74.9	48-131	12.8	23		
Ethylbenzene	1.99	0.0250	2.50	ND	79.5	45-135	12.2	27		
Toluene	1.92	0.0250	2.50	ND	76.7	48-130	12.5	24		
o-Xylene	1.86	0.0250	2.50	ND	74.2	43-135	11.9	27		
p,m-Xylene	3.69	0.0500	5.00	ND	73.8	43-135	11.7	27		
Total Xylenes	5.54	0.0250	7.50	ND	73.9	43-135	11.8	27		
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				



# **QC Summary Data**

		$\mathbf{t} \circ \sim \mathbf{t}$		ary Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	2	ABO - Coyote 12 21080-0001 Michael Moffit	2"				<b>Reported:</b> 9/16/2022 1:54:01PM
	Analyst: IY								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238010-BLK1)							Prepared: 0	9/12/22	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS (2238010-BS2)							Prepared: 0	9/12/22	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			
Matrix Spike (2238010-MS2)				Source: E	209045-0	06	Prepared: 0	9/12/22	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			
Matrix Spike Dup (2238010-MSD2)				Source: E	209045-0	06	Prepared: 0	9/12/22	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	0.425	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			



# **QC Summary Data**

		QC DI	u 111 111	aly Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	2	ABO - Coyote 12' 21080-0001 Michael Moffit	"				<b>Reported:</b> 9/16/2022 1:54:01PM
	Nonh	alogenated Org	anics by	y EPA 8015D ·	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2238016-BLK1)							Prepared: 0	9/12/22 A	Analyzed: 09/14/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	51.2		50.0		102	50-200			
LCS (2238016-BS1)							Prepared: 0	9/12/22 A	Analyzed: 09/14/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			
Matrix Spike (2238016-MS1)				Source: E	209045-	06	Prepared: 0	9/12/22 A	Analyzed: 09/14/22
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			
Matrix Spike Dup (2238016-MSD1)				Source: E	209045-	06	Prepared: 0	9/12/22 A	Analyzed: 09/14/22
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	1.41	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



# **QC Summary Data**

				<i>J</i> –					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager	2	BO - Coyote 1 1080-0001 Iichael Moffit	2"				<b>Reported:</b> 9/16/2022 1:54:01PM
		Anions	by EPA	300.0/9056A	1				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2238028-BLK1)							Prepared: 0	9/13/22 A	analyzed: 09/15/22
Chloride	ND	20.0							
LCS (2238028-BS1)							Prepared: 0	9/13/22 A	analyzed: 09/15/22
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2238028-MS1)			Source: E209044-21 Prepared: 0						analyzed: 09/15/22
Chloride	271	20.0	250	ND	108	80-120			
Matrix Spike Dup (2238028-MSD1)				Source:	E209044-	21	Prepared: 0	9/13/22 A	analyzed: 09/15/22
Chloride	268	20.0	250	ND	107	80-120	0.913	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Durango Midstream	Project Name:	ABO - Coyote 12"	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	Reported:
The Woodlands TX, 77380	Project Manager:	Michael Moffit	09/16/22 13:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project	Information

ient: Purango		Bill	Bill To			Lab Use Only						TA	T	EPA P	rogram
ient: Purango roject: ABO-Coyote (2" oject Manager: M. Moffit	Attenti				Lab WO#			Job Number		1	D 2D	3D	Standard	CWA	SDWA
ddress:	Addres City, St	and the second se	File		E209	104	56	201	is and Mi	2) othord			K		RCRA
ty, State, Zip	Phone:				à	T	ГŤ				T				nchA
none: On file	Email:				ORO									State	
mail: eport due by:	-				DRO/	021	8260	010	300.0		MN X		NM CO	UT AZ	TX
Time Date	·			Lab	TPH GRO/DRO/ORO by	BTEX by 8021	by 8	Metals 6010	Chloride						
Sampled Sampled Matrix Containers Sample	ID.			Number	HdT	BTE	VOC by	Met	Chlo		BGDDC BGDDC			Remarks	
1:00 9/6 50:1 1 WS	22-01	0-4			V	1			V					_	
11:05 1 1 W	522-01	4-8	,	2	1	1			1						
1:10 WS:	12-02	0-4	1	3											
1:15 WS.	22-02	4-8	1	4											
0:00 B52	2-01	8'		5											
	12-02	8'		6				-					1 - E		
0=10   B5 d	12-03	0.5		7											
	22-04	2'		8											
0:05-9/7 BS:	12-05	2'		9											
0:20 917 BS.	22-06	2'		10	1	1			1						
dditional Instructions: CC: Mic	hael M.	offite	Monica	a Peps	Din										
field sampler), attest to the validity and authenticity of this te or time of collection is considered fraud and may be group	nds for legal action.	mpering with or intent Sampled by	M. Wse	ng the sample ic	ocation,		54 Di	amples acked in					wed on ice the day b C on subsequent day		d of received
elinquished by: (Signature) Date	Time Rec	eived by: (Signature)	6	0ate 9-9-2	2 11	:15	R	lecei	ved on id		Lab Us		1		
elipquished by: (Signature) Date 9-9-21	18:40 Rec	y the	let	Pare /2/2	7 8	Ń	)	1		T	2		T3		
elinguished by: (Signature) Date		eived by: (Signature)		Date	Time			VGI	emp °C	4					
mple Matrix: 5 - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O -	Diper	100 Geo.		Container T	Type: g -	glass.				mberg	lass v.	VOA			

Project I	nformat	ion
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Released to Imaging: 1/25/2023 9:41:05 AM

lient: Durungo		Bill To		Lab Use Only					T		TA	т	EPA P	rogram	
lient: Durungo roject: ABO-Coyote 12" roject Manager: M. Maffit	Attention:	<u> </u>		Lab W	0#	1	Job	Numb	er		2D	3D	Standard	CWA	SDWA
Address:	Address: City, State, Zip	Or File		Lab WO# Job Number 1 E209045 21080-0001 Analysis and Method				1		K		RCRA			
Tity, State, Zip	Phone:			à	T	T				T	1		-		nena
hone: On File	Email:	•		ORO										State	
mail: Report due by:				(DRO)	021	260	010	300.0		WW	×		NM CO	UT AZ	TX
Time Date Matrix No. of Sample 10			Lab	ТРН GRO/DRO/DRO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Based	
sampled sampled convenies			Number	TPH	801 BTE	VOC	Met	Chlo		BGDOC	BGDOC		_	Remarks	
11:20 9/6 Soil 1 WS22	-03	0-4'	11	V	11	1		V							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-83	4-8'	12		11			1							
1:30 1 WS22.	MU	0-41	13		T		19-11	T							
1-30 1 1 003 0 2	-04			+	++	-		++		-	-				
11:35 1 1 1 WS22-	04	4-8'	14		1	-									
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			1		+	-				-			-		_
dditional Instructions:	A ADr.	1.00-	Pan Pan												
(field sampler), attest to the validity and authenticity of this sample. Ta	m aware that tampering w	ith or intentionally mislabel	ling the sample	Pication,		-	Sample	stequirin	g thermal p	reservat	ion mui	t be recen	ved on ice the day th	vev are sample	d britiere vad
ate or time of collection is considered fraud and may be grounds for leg	al action. <u>Sa</u>	impled by: M-W;	er										on subsequent day		
elinquished by: (Signature) Date Time	Received by:	(Signature)	Date 9-9-7	Tim	Sector Sector	-				-		e Only			
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Ch SK 19-9-22 18	:40 18 to	allet	9/12/	228	5.57	7)	T1			T2			T3		
elinquished by: (Signature) Date Time	Received by.	(Signature)	Date	Tim	e				. 4						
			Container					Temp		-					

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Durango Midstream Da	te Received:	09/12/22 08	:50	Work Order ID: E209045
Phone:	(575) 676-3500 Da	te Logged In:	09/12/22 10	:20	Logged In By: Caitlin Christian
Email:	mmoffit@vertex.ca Du	e Date:	09/16/22 17	:00 (4 day TAT)	
Chain o	f Custody (COC)				
1. Does 1	the sample ID match the COC?		Yes		
2. Does 1	the number of samples per sampling site location match t	the COC	No		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample #1 WS22-01 0-4, was received
Sample	<u>Cooler</u>				empty. Spoke with client and removed
7. Was a	sample cooler received?		Yes		sample #1 from workorder.
8. If yes,	, was cooler received in good condition?		Yes		*
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample tem	nperature: <u>4°</u>	<u>°C</u>		
Sample	<u>Container</u>	-			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are 1	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes		
Field La	ibel				
	e field sample labels filled out with the minimum information	ation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes		
	Collectors name?		No		
_	<u>Preservation</u> s the COC or field labels indicate the samples were prese	rved?	No		
	sample(s) correctly preserved?		NO		
	b filteration required and/or requested for dissolved meta	ls?	No		
	· ·		110		
	ase Sample Matrix_ s the sample have more than one phase, i.e., multiphase?		N		
		19	No		
	s, does the COC specify which phase(s) is to be analyzed	17	NA		
	tract Laboratory		N		
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No		
	a supcontract inportatory specified by the client and it so	wno/	NA S	ubcontract Lab	

Signature of client authorizing changes to the COC or sample disposition.



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Project Information

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Chain of Custody

nt: Purango ject: ABO-Coyote (): ject Manager: M. Moffit dress: On File City, State, Zip		Lab	NOH			the second second									
			WUH	110			Imper		1D	2D	3D	Sta	ndard	CWA	SDWA
dress' I ICity State Zin		Ex	2090	45	Concerned Start	and the state of t	0-00			1			K		
					AI	nalysi	s and M	Metho	d	,			+		RCRA
v, State, Zip one: On file Email:	-		A O PA							1		-		C	
one: On file Email:			N/OR				_					-	NM CO	State	TYL
port due by:			TPH GRO/DRO/ORO by 8015	170	260	a l	2001		WW	Z		1 F	VIVI CO	UTAL	14
	Lab	-	GRO,	PV 8	by B	H2 PI	Ide			y		+			L
ampled Sampled Matrix Containers Sample ID	Number		8015	BTEX by 8021	VOC by 8260	Metals bulu			BGDOC	HGDOG				Remarks	
-00 9/6 501 1 WS22-01 0-4'			V	A		-1	4	-				1	Samp	se :	Jar
							-	-	-	-			recei	vea	enge
1:05 1 1 WS22-01 4-8'	12		1	1			11_							9/12	ricc
-10 W522-02 0-4'	23		1												
	3 4		++	tt											
				++-											
:00 B522-01 B'	48			1											
:05 BS22-02 8'	50														
D=10 1 R522-03 0.5'	67														
0:00 9/7 BS22-04 2'	78														
):05-917 BS22-05 2'	8 9														
1:20 917 BS22-06 2	910		1				1								
Iditional Instructions: CC: Michael Moffie i Mon	ica Peo	ni	0	-	-			-		1	LL				
eld sampler), attest to the validity and authenticity of this sample. Tam aware that tampering with or intentionally mist	labelling the sample	Pipcation	/		Sar	nples re	our ne t	herma' p	reserval	tion mu	st be seco	e yed on .	ce the day the		
e or time of collection is considered fraud and may be grounds for legal action. Sampled by M. L	Joer			1									tinquent days		
inquished by: (Signature) Date Time Received by: (Signature)	Date 9-9-2	72	11:1	5	R	eceiv	ed on	ice:	Li	ab Us	e Onl	ly	1		
inquished by: (Signature) Date 9-9-22 Time Received by: (Signature) Quale	f glip	177	85	77	T				T			T	2		
inquished by: (Signature) Date Time Received by: (Signature)	Date	e 1	Time	-		10.7	emp°	-0	1	-			2		
ipte Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container	Type	g - play	ss n	Contraction of the local division of the	And in case of states			er elas	55 V-	VOA		- A - A - A - A - A - A - A - A - A - A		
e: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazard												eport fo	of the analy	sis of the a	bove
ples is applicable only to those samples received by the laboratory with this COC. The liability of the labor	ratory is limited to	o the an	nount p	aid fo	or on th	ne rep	ort.		a series				the bridge	in or me o	a dec

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Project Information

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Chain of Custody

Page Z of Z

Client:	Inrue							B	III To			1		Li	ab Us	se Or	nly			1		T.	AT		EPA P	ogram
Project:		Coyote	12	<u>''</u>			ention:					Lab	WO		-		Num			1D	2D	3D	St	andard	CWA	SDWA
Project N Address:	lanager:	M.M.	offit			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ress: , State, Zip		_ Fil.	e		Ea	769	04	No. of Lot of Lo	A COLOR OF COMPANY	Contract of Contract	-00					1	K		DCDA
City, Stat	e. Zip					Pho	the second second second second	·	1-			-	12			Analy	ysis a	nd M	etnoc		-	1	-			RCRA
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Report d													0/01	v 802	826	601(	(e 30			WW :	×					
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	)						Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	BGDOC				Remarks	
11:20	916	50:1	1	WSS	22	-0	3		O-L	(' ic	H		V	1			V									
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Addition	al Instruc	tions:		1. 1			00.		1.00		0	•								]						
I, (field samp	ler), attest to	the validity i	and authentin	city of this san	nple.	Am aware th	ffit anpering	with or in	tentionally	mislabellir	g the sample	Ple	)		-1	Sample	s requi	ring the	rma' pr	eservat		it be rec	e ved o	on ice the day th	ey are sampler	for received
date or time	of collection	is considered	fraud and m	ay be grounds	s for leg	al action.	ş	ampled b	y M.	.Wit	r	_			1	packed	in ice a	it an avg	temp	above C	but les	u than 6	Con s	subsequent day	•	
Relinquishe	N		Date		Time		Received by	(Signati	Miet .		9-9-2	r	Time //.	15-		Rece	ived	onio	e:	La		e On	ly			
Relinquishe	d by Asigna	Hure	Date 9-1	9-22	Time 18	-:40	Receiped by	Lenati	The	to	Date 9/2/	27	Time S.	57	2	T1				12				тз		
Relinquishe	d by: (sign	ture	Date		Time		Received by:	(Signati	ure)		Date		Time			AVG	Tom	n°c	4							
Sample Matr	ix: S - Soil, Sd	- Solid, Sg - S	Sludge, A - Aq	ueous, O - Ot	her_						Container	Type	: g - g	lass, p					mbe	relas	5. V -	VOA				
Note: Samp	les are disc	arded 30 da	ays after res	ults are repo	orted u	nless othe ratory with	r arrangemer this COC. Th	nts are m le liabilit	hade. Hai y of the la	ardous s.	imples will I	be ret	urned	to clie	ent or	dispo	sed of	at the	eclien	t expe	ense	The r	eport	for the anal	ysis of the a	bave
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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Durango Midstream

Project Name: 22E-02945

Work Order: E209046

Job Number: 21080-0001

Received: 9/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/16/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/16/22

Michael Moffit 10077 Grogans Mill Rd Ste 300 The Woodlands, TX 77380

Project Name: 22E-02945 Workorder: E209046 Date Received: 9/12/2022 8:40:00AM

Michael Moffit,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2022 8:40:00AM, under the Project Name: 22E-02945.

The analytical test results summarized in this report with the Project Name: 22E-02945 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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#### Sample Summary

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		~ mpro ~ um			
Durango Midstream		Project Name:	22E-02945		Reported:
10077 Grogans Mill Rd Ste 300		Project Number:	21080-0001		Reporteu.
The Woodlands TX, 77380		Project Manager:	Michael Moffit		09/16/22 13:56
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS22-08	E209046-01A	Soil	09/08/22	09/12/22	Glass Jar, 4 oz.
BS22-09	E209046-02A	Soil	09/08/22	09/12/22	Glass Jar, 4 oz.
BS22-10	E209046-03A	Soil	09/08/22	09/12/22	Glass Jar, 4 oz.
BS22-11	E209046-04A	Soil	09/08/22	09/12/22	Glass Jar, 4 oz.
BS22-12	E209046-05A	Soil	09/08/22	09/12/22	Glass Jar, 4 oz.



	S	ample D	ata					
Durango Midstream	Project Name	:: 22E-	-02945					
10077 Grogans Mill Rd Ste 300	Project Numb	per: 2108	30-0001				Reported:	
The Woodlands TX, 77380	Project Manager: Michael Moffit						9/16/2022 1:56:55PM	
		BS22-08						
		E209046-01						
		Reporting						
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	latile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY							
Benzene	ND	0.0250		1	09/12/22	09/14/22		
Ethylbenzene	ND	0.0250		1	09/12/22	09/14/22		
Toluene	ND	0.0250		1	09/12/22	09/14/22		
o-Xylene	ND	0.0250		1	09/12/22	09/14/22		
p,m-Xylene	ND	0.0500		1	09/12/22	09/14/22		
Total Xylenes	ND	0.0250		1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		98.5 %	70-130		09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/12/22	09/14/22		
Surrogate: Toluene-d8		104 %	70-130		09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2238010	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		98.5 %	70-130		09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/12/22	09/14/22		
Surrogate: Toluene-d8		104 %	70-130		09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2238011	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22		
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22		
Surrogate: n-Nonane		99.4 %	50-200		09/12/22	09/14/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2238028	
Chloride	20.2	20.0		1	09/13/22	09/15/22		



	S	ample D	ata				
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name Project Numb Project Manag	er: 2108	-02945 30-0001 hael Moffi	it			<b>Reported:</b> 9/16/2022 1:56:55PM
		BS22-09					
		E209046-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Benzene	ND	0.0250		1	09/12/22	09/14/22	
Ethylbenzene	ND	0.0250		1	09/12/22	09/14/22	
Toluene	ND	0.0250		1	09/12/22	09/14/22	
p-Xylene	ND	0.0250		1	09/12/22	09/14/22	
o,m-Xylene	ND	0.0500		1	09/12/22	09/14/22	
Total Xylenes	ND	0.0250		1	09/12/22	09/14/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		09/12/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		09/12/22	09/14/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/22	09/14/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		09/12/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		09/12/22	09/14/22	
Surrogate: Toluene-d8		102 %	70-130		09/12/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2238011
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/22	09/14/22	
Surrogate: n-Nonane		78.7 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2238028
Chloride	ND	20.0		1	09/13/22	09/15/22	

	S	Sample D	ata				
Durango Midstream	Project Name	e: 22E-	-02945				
10077 Grogans Mill Rd Ste 300	Project Num	ber: 2108	80-0001			Reported:	
The Woodlands TX, 77380	Project Mana	ager: Mic	hael Moffit			9/16/2022 1:56:55PM	
		BS22-10					
		E209046-03					
		Reporting					
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2238010	
Benzene	ND	0.0250	1	09/12/22	09/14/22		
Ethylbenzene	ND	0.0250	1	09/12/22	09/14/22		
Toluene	ND	0.0250	1	09/12/22	09/14/22		
p-Xylene	ND	0.0250	1	09/12/22	09/14/22		
o,m-Xylene	ND	0.0500	1	09/12/22	09/14/22		
Total Xylenes	ND	0.0250	1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		99.0 %	70-130	09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/12/22	09/14/22		
Surrogate: Toluene-d8		103 %	70-130	09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2238010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		99.0 %	70-130	09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/12/22	09/14/22		
Surrogate: Toluene-d8		103 %	70-130	09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	Α	Analyst: JL		Batch: 2238011	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22		
Dil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22		
Surrogate: n-Nonane		79.9 %	50-200	09/12/22	09/14/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2238028	
Chloride	ND	20.0	1	09/13/22	09/15/22		

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	S	Sample D	ata				
Durango Midstream	Project Name	e: 22E-	-02945				
10077 Grogans Mill Rd Ste 300	Project Num	ber: 2108	80-0001			Reported:	
The Woodlands TX, 77380	Project Mana	ager: Micl	hael Moffit			9/16/2022 1:56:55PM	
		BS22-11					
		E209046-04					
		Reporting					
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2238010	
Benzene	ND	0.0250	1	09/12/22	09/14/22		
Ethylbenzene	ND	0.0250	1	09/12/22	09/14/22		
Foluene	ND	0.0250	1	09/12/22	09/14/22		
p-Xylene	ND	0.0250	1	09/12/22	09/14/22		
o,m-Xylene	ND	0.0500	1	09/12/22	09/14/22		
Total Xylenes	ND	0.0250	1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		98.1 %	70-130	09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/12/22	09/14/22		
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2238010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/14/22		
Surrogate: Bromofluorobenzene		98.1 %	70-130	09/12/22	09/14/22		
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/12/22	09/14/22		
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	Analyst: JL		Batch: 2238011	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22		
Dil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22		
Surrogate: n-Nonane		97.4 %	50-200	09/12/22	09/14/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2238028	
Chloride	32.1	20.0	1	09/13/22	09/15/22		

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	S	Sample D	ata			
Durango Midstream 10077 Grogans Mill Rd Ste 300	Project Nam Project Num		-02945 80-0001			Reported:
The Woodlands TX, 77380	Project Mana		hael Moffit			9/16/2022 1:56:55PM
		BS22-12				
		E209046-05				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2238010
Benzene	ND	0.0250	1	09/12/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/14/22	
Toluene	ND	0.0250	1	09/12/22	09/14/22	
o-Xylene	ND	0.0250	1	09/12/22	09/14/22	
,m-Xylene	ND	0.0500	1	09/12/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/14/22	
Gurrogate: Bromofluorobenzene		97.1 %	70-130	09/12/22	09/14/22	
urrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/12/22	09/14/22	
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2238010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/14/22	
'urrogate: Bromofluorobenzene		97.1 %	70-130	09/12/22	09/14/22	
urrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/12/22	09/14/22	
Surrogate: Toluene-d8		106 %	70-130	09/12/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	) mg/kg	mg/kg	А	nalyst: JL		Batch: 2238011
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Dil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
Gurrogate: n-Nonane		89.6 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2238028
Chloride	ND	20.0	1	09/13/22	09/15/22	

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# QC Summary Data

		<u><u>v</u>c 51</u>		Ty Data	•				
Durango Midstream 10077 Grogans Mill Rd Ste 300		Project Name: Project Number:		E-02945 080-0001					Reported:
The Woodlands TX, 77380		Project Manager:	M	ichael Moffit				9	/16/2022 1:56:55PM
		Volatile Organic	Compo	unds by EP.	A 8260I	B			Analyst: IY
Analyte	Pagult	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238010-BLK1)							Prepared: 0	9/12/22 Ana	alyzed: 09/13/22
Benzene	ND	0.0250					1		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.433		0.500		107	70-130			
-							Dranorad, 0	0/12/22 1-	lyzed: 00/12/22
LCS (2238010-BS1)							riepareu: 0	7/12/22 Ana	alyzed: 09/13/22
Benzene	1.85	0.0250	2.50		74.1	70-130			
Ethylbenzene	2.03	0.0250	2.50		81.3	70-130			
Toluene	1.86	0.0250	2.50		74.3	70-130			
p-Xylene	1.88	0.0250	2.50		75.3	70-130			
p,m-Xylene	3.75	0.0500	5.00		75.1	70-130			
Total Xylenes	5.64	0.0250	7.50		75.2	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
Matrix Spike (2238010-MS1)				Source: I			Prepared: 0	9/12/22 Ana	alyzed: 09/13/22
Benzene	2.13	0.0250	2.50	ND	85.2	48-131			
Ethylbenzene	2.25	0.0250	2.50	ND	89.8	45-135			
Toluene	2.17	0.0250	2.50	ND	87.0	48-130			
p-Xylene	2.09	0.0250	2.50	ND	83.6	43-135			
p,m-Xylene	4.15	0.0500	5.00	ND	82.9	43-135			
Total Xylenes	6.24	0.0250	7.50	ND	83.2	43-135			
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
Matrix Spike Dup (2238010-MSD1)				Source: I	E <b>209045</b> -	06	Prepared: 0	9/12/22 Ana	alyzed: 09/13/22
			2.50	ND	74.9	48-131	12.8	23	
Benzene	1.87	0.0250				45 125	12.2	27	
Benzene Ethylbenzene	1.99	0.0250	2.50	ND	79.5	45-135			
Benzene Ethylbenzene Toluene	1.99 1.92	0.0250 0.0250	2.50	ND	76.7	48-130	12.5	24	
Benzene Ethylbenzene	1.99 1.92 1.86	0.0250	2.50 2.50	ND ND	76.7 74.2	48-130 43-135	12.5 11.9	24 27	
Benzene Ethylbenzene Toluene	1.99 1.92 1.86 3.69	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00	ND ND ND	76.7 74.2 73.8	48-130 43-135 43-135	12.5 11.9 11.7	24 27 27	
Benzene Ethylbenzene Toluene o-Xylene	1.99 1.92 1.86	0.0250 0.0250 0.0250	2.50 2.50	ND ND	76.7 74.2	48-130 43-135	12.5 11.9	24 27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	1.99 1.92 1.86 3.69	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00	ND ND ND	76.7 74.2 73.8	48-130 43-135 43-135	12.5 11.9 11.7	24 27 27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	1.99 1.92 1.86 3.69 5.54	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50	ND ND ND	76.7 74.2 73.8 73.9	48-130 43-135 43-135 43-135	12.5 11.9 11.7	24 27 27	



# QC Summary Data

		QC B	umma	ii y Data	l				
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	21	2E-02945 1080-0001 lichael Moffit					<b>Reported:</b> 9/16/2022 1:56:55PM
	N	onhalogenated O	rganics	by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238010-BLK1)							Prepared: 0	9/12/22 <i>A</i>	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS (2238010-BS2)							Prepared: 0	9/12/22 A	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			
Matrix Spike (2238010-MS2)				Source: I	E209045-(	)6	Prepared: 0	9/12/22 A	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			
Matrix Spike Dup (2238010-MSD2)				Source: I	E <b>209045</b> -(	)6	Prepared: 0	9/12/22 A	Analyzed: 09/13/22
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	0.425	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



# QC Summary Data

		QC DI		il y Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	2	2E-02945 1080-0001 lichael Moffit					<b>Reported:</b> 9/16/2022 1:56:55PM
	Nonh	alogenated Orga	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2238011-BLK1)							Prepared: 0	9/12/22 A	nalyzed: 09/14/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	47.6		50.0		95.3	50-200			
LCS (2238011-BS1)							Prepared: 0	9/12/22 A	nalyzed: 09/14/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike (2238011-MS1)				Source: I	209031-	04	Prepared: 0	9/12/22 A	nalyzed: 09/14/22
Diesel Range Organics (C10-C28)	11500	500	250	10100	582	38-132			M4
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			
Matrix Spike Dup (2238011-MSD1)				Source: <b>H</b>	209031-	04	Prepared: 0	9/12/22 A	nalyzed: 09/14/22
Diesel Range Organics (C10-C28)	11400	500	250	10100	513	38-132	1.50	20	M4
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			



# **QC Summary Data**

		QU D	u	ing Date					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager	2	2E-02945 1080-0001 lichael Moffit					<b>Reported:</b> 9/16/2022 1:56:55PM
		Anions	by EPA 3	<b>300.0/9056</b>	4				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2238028-BLK1)							Prepared: 0	9/13/22	Analyzed: 09/15/22
Chloride	ND	20.0							
LCS (2238028-BS1)							Prepared: 0	9/13/22	Analyzed: 09/15/22
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2238028-MS1)				Source:	E209044-2	21	Prepared: 0	9/13/22	Analyzed: 09/15/22
Chloride	271	20.0	250	ND	108	80-120			
Matrix Spike Dup (2238028-MSD1)				Source:	E209044-2	21	Prepared: 0	9/13/22	Analyzed: 09/15/22
Chloride	268	20.0	250	ND	107	80-120	0.913	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Durango Midstream	Project Name:	22E-02945	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	Reported:
The Woodlands TX, 77380	Project Manager:	Michael Moffit	09/16/22 13:56

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Durango Midstream	(vert	ex)	RUSH?	Lab Use Only	y		An	alysis an	d Method	la	ab Only
Client: Durango Midstream Project: 22E-02945 Sampler: Fernando Rodvigez	Carr		1d 3d	Lab WO#	6						(s) Y/N
Phone: 5759887681 Email(s): MMOFFitt@Xertex.cor Mpege	in Qver	tex.co		Job Number 21080-000		0 by 8015 8021	1-1-19	oy 300.0		ab Number	Correct Cont/Prsrv (s) Y/N
Project Manager: Mtchael Moffitt	Sample Date	Sample Time	Pag Matrix	Containers QTY - Vol/TYPE/Preserva	ative	GRO/DRO by 8015 BTEX by 8021	TPH by <del>418.1</del>	Chloride by			Correct C
8522-08	9/8	14:00	Spil	UOZ JON		1	1	1		1	
B522-08 B522-09	01/8	14:10	5011	402 Jan		1	V	1		a	2
8522-10	0/8	14:20	5011	Moz Jar		1	1	/		3	3
BS2Z-11	9/8	14:30	Soil	4029655 402)av		1	1			4	ł
B522-11 B522-12	2/8	14:40	Soil	402 Jav		1	1			5	5
			1			-	-			_	-
						_	-			_	-
					_	+	-				-
						-					-
Relinquished by: (Signature) Date Time	Receiver	i by: (signa	ture)	9 Pate 15 Time	1			-	Jse Only		1
Relinguished by: (Signature) Q 2 Q 19:00 Date G - G - G - G - G - G - G - G - G - G -	Cart	lbp. (Signa	ture'	Pate Time 9/12/22 8-40	T1	Ceived		(Y) / N T2	_	Т3	_
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other									ag - amber	glass, v - VO	A
**Samples requiring thermal preservation must be received on ice the day to Sample(s) dropped off after hours to a secure drop off area. 9 - 9 - 22 - 18:40	ney are sampled o		f Custody				~1		er Gro	ves	
Cenvirotech Analytical Laboratory			a local data in the second	Durango, (0.81301 Ph /	505) 632-0615 970) 259-0615		12-1865			envirated	

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Received by OCD: 11/8/2022 8:32:26 AM

# **Envirotech Analytical Laboratory**

Client:	Durango Midstream Da	te Received:	09/12/22	08:40	Work Order ID:	E209046
Phone:		te Logged In:	09/12/22		Logged In By:	Caitlin Christian
Email:		e Date:		17:00 (4 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match t	he COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	Currer. <u>Courrer</u>		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the	·	Yes		Commen	ts/Resolution
Samnle	i.e, 15 minute hold time, are not included in this disucssion. Turn Around Time (TAT)					
	the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample			100			
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling o visible ice, record the temperature. Actual sample tem	eived w/i 15	Yes <u>°C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
	e field sample labels filled out with the minimum informa	tion:				
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation		110			
21. Does	s the COC or field labels indicate the samples were present	ved?	No			
22. Are s	sample(s) correctly preserved?		NA			
24. Is lat	b filteration required and/or requested for dissolved metal	s?	No			
Multiph	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	?	NA			
Subcont	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: na		

envirotech Inc.

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Signature of client authorizing changes to the COC or sample disposition.

Date





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Durango Midstream

Project Name:

ABO - Coyote 12"

Work Order: E209069

Job Number: 21080-0001

Received: 9/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/21/22

Michael Moffit 10077 Grogans Mill Rd Ste 300 The Woodlands, TX 77380

Project Name: ABO - Coyote 12" Workorder: E209069 Date Received: 9/15/2022 10:40:00AM

Michael Moffit,



Page 156 of 377

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/15/2022 10:40:00AM, under the Project Name: ABO - Coyote 12".

The analytical test results summarized in this report with the Project Name: ABO - Coyote 12" apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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		Sample Sum	mary		
Durango Midstream		Project Name:	ABO - Coyote 12"		Reported:
10077 Grogans Mill Rd Ste 300		Project Number:	21080-0001		Reporteu:
The Woodlands TX, 77380		Project Manager:	Michael Moffit		09/21/22 17:41
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS22 - 01 0 - 4'	E209069-01A	Soil	09/13/22	09/15/22	Glass Jar, 4 oz.

C



	5	ampic D	ala			
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380	Project Name Project Numł Project Mana	ber: 2108	D - Coyote 12" 80-0001 hael Moffit			<b>Reported:</b> 9/21/2022 5:41:56PM
	W	VS22 - 01 0 - 4	t,			
		E209069-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	0.0367	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
p-Xylene	ND	0.0250	1	09/15/22	09/17/22	
o,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Fotal Xylenes	ND	0.0250	1	09/15/22	09/17/22	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
Surrogate: n-Nonane		85.4 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2239002
Chloride	127	20.0	1	09/18/22	09/20/22	

# Sample Data



# **QC Summary Data**

		<u> </u>		ily Date	•						
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	21	BO - Coyote 1 1080-0001 lichael Moffit	2"				<b>Reported:</b> 9/21/2022 5:41:56PM		
	Volatile Organics by EPA 8021B								Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2238068-BLK1)							Prepared: 0	9/15/22 A	nalyzed: 09/17/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130					
LCS (2238068-BS1)							Prepared: 0	9/15/22 A	nalyzed: 09/17/22		
Benzene	5.24	0.0250	5.00		105	70-130					
Ethylbenzene	4.39	0.0250	5.00		87.8	70-130					
Toluene	4.63	0.0250	5.00		92.7	70-130					
p-Xylene	4.47	0.0250	5.00		89.4	70-130					
o,m-Xylene	8.88	0.0500	10.0		88.8	70-130					
Total Xylenes	13.3	0.0250	15.0		89.0	70-130					
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130					
LCS Dup (2238068-BSD1)							Prepared: 0	9/15/22 A	nalyzed: 09/17/22		
Benzene	5.27	0.0250	5.00		105	70-130	0.629	20			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130	0.375	20			
Toluene	4.67	0.0250	5.00		93.3	70-130	0.712	20			
p-Xylene	4.50	0.0250	5.00		89.9	70-130	0.567	20			
p,m-Xylene	8.91	0.0500	10.0		89.1	70-130	0.337	20			
Total Xylenes	13.4	0.0250	15.0		89.4	70-130	0.414	20			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130					



# **QC Summary Data**

		QU N	, ann ann a	ing Dut	4				
Durango Midstream 10077 Grogans Mill Rd Ste 300		Project Name: Project Number:		BO - Coyote 1 1080-0001	2"				Reported:
The Woodlands TX, 77380		Project Manager	:: M	lichael Moffit					9/21/2022 5:41:56PM
	No	onhalogenated	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238068-BLK1)							Prepared: 0	9/15/22	Analyzed: 09/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.48		8.00		81.0	70-130			
LCS (2238068-BS2)							Prepared: 0	9/15/22	Analyzed: 09/17/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			
LCS Dup (2238068-BSD2)							Prepared: 0	9/15/22	Analyzed: 09/17/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130	2.53	20	
6 6 ( )	50.0	20.0							



# **QC Summary Data**

		QC D	u 1 1 1 1 1 1	ary Data					
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	2	ABO - Coyote 12 21080-0001 Michael Moffit	"				<b>Reported:</b> 9/21/2022 5:41:56PM
	Nonh	alogenated Org	anics by	v EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2238061-BLK1)							Prepared: 0	9/19/22 A	Analyzed: 09/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			
LCS (2238061-BS1)							Prepared: 0	9/19/22 A	Analyzed: 09/20/22
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			
Matrix Spike (2238061-MS1)				Source: E	209068-	02	Prepared: 0	9/19/22 A	Analyzed: 09/20/22
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			
Matrix Spike Dup (2238061-MSD1)				Source: E	209068-	02	Prepared: 0	9/19/22 A	Analyzed: 09/20/22
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	0.290	20	
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			



# **QC Summary Data**

		$\mathbf{x} \circ \sim$	••••••						
Durango Midstream 10077 Grogans Mill Rd Ste 300 The Woodlands TX, 77380		Project Name: Project Number: Project Manager:	,	ABO - Coyote 12 21080-0001 Michael Moffit					<b>Reported:</b> 9/21/2022 5:41:56PM
		Anions	by EPA	300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2239002-BLK1)							Prepared: 0	9/18/22	Analyzed: 09/19/22
Chloride	ND	20.0							
LCS (2239002-BS1)							Prepared: 0	9/18/22	Analyzed: 09/20/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2239002-MS1)				Source: E	209063-	01	Prepared: 0	9/18/22	Analyzed: 09/20/22
Chloride	401	40.0	250	194	82.8	80-120			
Matrix Spike Dup (2239002-MSD1)				Source: E	209063-	01	Prepared: 0	9/18/22	Analyzed: 09/20/22
Chloride	451	40.0	250	194	103	80-120	11.9	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Durango Midstream	Project Name:	ABO - Coyote 12"	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	Reported:
The Woodlands TX, 77380	Project Manager:	Michael Moffit	09/21/22 17:41

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project	Information
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lient:	uras	NGO					В	ill To		Lab Use Only TAT						EPA Program							
roject:	ABO-	Ngo Coyot M. 1	c 12	<b>!</b> 1		tention:				Lab	wor 209	ŧ	a	Job	Num	ber	1D	2D	3D		andard	CWA	SDW.
roject M	lanager:	M. 1	noff:	<u>t</u>		dress:	ON	File		EZ	209	00	04	20	280	-0001	1			-	X		-
ddress:	a 71c					y, State, Zij	2	1		-	15	1	-	Analy	isis ar	nd Metho	d	1	1				RCRA
ity, Stat hone:		0 m	File			one:		1			lq Oi		1						100			State	1
mail:		01	File		En	nail:		N			0/OR				0						NM CO		TXI
eport d	ue by:										/DRC	8021	260	010	300.		NN	×.				UT ML	10
Time	Date	Matrix	No of	Sample ID					Lab	1	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	I
Sampled	Sampled		Containers						Number	-	TPH G	BTH	No	We	CH		BG	BGI	-				
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dditiona	al Instruc	tions:					. 1	1 1									1	1					
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				nay be grounds fo			angled b	y M. Wie	<b>r</b>					packed	in ice a	tar avg tems	above	0 but ie	ss than E	"C on s	ublequent day	1	
linguishe	Ny (Signa	ature)	Date	Tin	ne	Received by	1 Star		9-14	na	Time	):(	20	Dage			L	abu	se On	ly			
linquiste	by Bign	afre)	Dome	1400	SIT	Received by	Aigatu	11eh/L	Date	6	Time	. //	0										
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linguishe	d by: (Signa	ature)	Date	Tin	e	Received by	: (Signati	ire)	Uate		lime			AVG	Tem	p°C_	4						
nole Matri	x: 5 - Soil, So	- Solid, Sg -	Sludge, A - Ad	queaus, <b>0</b> - Other					Container	Type	e: g - g	glass,							VOA				
				and the second state of th		er arrangeme	nts are m	ade Hazardous					animum ment							eport	for the anal	ysis of the a	above
								y of the laborator															

# Envirotech Analytical Laboratory

	E	Invirotech	Analyti	ical Laboratory	F	rinted: 9/15/2022 11:01:42AN
		Sample	Receipt C	hecklist (SRC)		
	: Please take note of any NO checkmarks. no response concerning these items within 24 hours of th	e date of this not	ice. all the sa	umples will be analyzed as req	uested.	
		Date Received:	09/15/22 1	• • •	Work Order ID:	E209069
Client:	-					
Phone:		Date Logged In:	09/15/22 0		Logged In By:	Caitlin Christian
Email:	mmoffit@vertex.ca	Due Date:	09/21/22 1	7:00 (4 day TAT)		
Chain of	<u>f Custody (COC)</u>					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location matc	h the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: UPS		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the		Yes		Commen	ts/Resolution
Samuela /	i.e, 15 minute hold time, are not included in this disucssion	l.			<u>commen</u>	
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
			105			
Sample (	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• ·	the sample(s) received intact, i.e., not broken?					
	custody/security seals present?		Yes			
	s, were custody/security seals intact?		No			
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	NA Yes <u>°C</u>			
Sample	Container					
	queous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was :	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	rs collected?	Yes			
S	<u>bel</u> field sample labels filled out with the minimum infor Sample ID? Date/Time Collected?	mation:	Yes Yes			
	Collectors name?		No			
	Preservation					
21. Does	the COC or field labels indicate the samples were pre-	served?	No			
	ample(s) correctly preserved?		NA			
24. Is lat	filteration required and/or requested for dissolved me	tals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphase	?	No			
27. If yes	s, does the COC specify which phase(s) is to be analyz	ed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab: na		
Climet I						

**Client Instruction** 

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E209190

Job Number: 21080-0001

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/7/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 P

Page 168 of 377

Project Name: ABO- Coyote 12" Steel Line Workorder: E209190 Date Received: 10/3/2022 9:00:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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# Sample Summary

		Sample Sum	mary		
Vertex Resource Services Inc.		Project Name:	ABO- Coyote 12" S	Steel Line	Reported:
3101 Boyd Drive		Project Number:	21080-0001		•
Carlsbad NM, 88220		Project Manager:	Monica Peppin		10/07/22 14:10
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3S22-21 8'	E209190-01A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
3822-22 8'	E209190-02A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-23 8'	E209190-03A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-24 8'	E209190-04A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-25 8'	E209190-05A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-26 8'	E209190-06A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-27 8'	E209190-07A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-28 8'	E209190-08A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-29 8'	E209190-09A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-30 8'	E209190-10A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-31 8'	E209190-11A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-32 8'	E209190-12A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-33 8'	E209190-13A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-34 8'	E209190-14A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.



	L				
5		2	eel Line		Reported:
Project Manag	ger: Mor	ica Peppin		10/7/2022 2:10:55PM	
	BS22-21 8'				
	E209190-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2241048
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0500	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
	102 %	70-130	10/04/22	10/07/22	
mg/kg	mg/kg	Analy	st: IY		Batch: 2241048
ND	20.0	1	10/04/22	10/07/22	
	82.0 %	70-130	10/04/22	10/07/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2241057
ND	25.0	1	10/05/22	10/06/22	
ND	50.0	1	10/05/22	10/06/22	
	115 %	50-200	10/05/22	10/06/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2241067
181	20.0	1	10/05/22	10/06/22	
	Project Name: Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         ABC           Project Number:         2108           Project Manager:         Mor           BS22-21 8'         E209190-01           BS22-21 8'         E209190-01           BS22-21 8'         E209190-01           Mor         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           82.0 %         mg/kg           mg/kg         mg/kg           MD         25.0           ND         50.0           ND         50.0           ND         50.0           ND         50.0           ND         50.0	Resolt         ABO- Coyot 12" State           Project Name:         21080-0001           Project Manager:         Monica Peppin           BS22-21 8'         E209190-01           E209190-01         Itimit           Result         Limit           MD         0.0250           MD         0.0250           ND         20.0           102 %         70-130           mg/kg         mg/kg           MD         25.0           ND         50.0           ND         50-200           mg/kg         Mg/kg	Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-21 8'         BS22-21 8'         E209190-01         Result         Reporting         Result       Limit       Dilution       Prepared         mg/kg       mg/kg       Analyst: IY         ND       0.0250       1       10/04/22         ND       20.0       1       10/04/22         MD       20.0       1       10/04/22         MD       20.0       1       10/04/22         MD       20.0       1       10/04/22         MD       20.0       1       10/04/22	Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-21 8'         E209190-01       Project Manager:         Result       Limit       Dilution       Prepared       Analyzed         Mp/Kg       mg/kg       Analyst: IY       MD       0.0250       1       10/04/22       10/07/22         ND       0.0250       1       10/04/22       10/07/22       10/07/22         ND       0.0250       1       10/04/22       10/07/22         ND       20.0%       70-130       10/04/22       10/07/22         MD       20.0%       70-130       10/04/22       10/07/22         MD

# Sample Data



# Sample Data

<b>D</b>	ampic D				
Project Name	: ABO	D- Coyote 12" Stee			
Project Numb	er: 2108	30-0001	Reported:		
Project Manag	ger: Mor	nica Peppin			10/7/2022 2:10:55PM
	BS22-22 8'				
	E209190-02				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: IY			Batch: 2241048
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
ND	0.0500	1	10/04/22	10/07/22	
ND	0.0250	1	10/04/22	10/07/22	
	101 %	70-130	10/04/22	10/07/22	
mg/kg	mg/kg	g Analyst: IY			Batch: 2241048
ND	20.0	1	10/04/22	10/07/22	
	83.1 %	70-130	10/04/22	10/07/22	
mg/kg	mg/kg	:g Analyst: JL			Batch: 2241057
ND	25.0	1	10/05/22	10/06/22	
ND	50.0	1	10/05/22	10/06/22	
	116 %	50-200	10/05/22	10/06/22	
mg/kg	mg/kg	Analyst	: RAS		Batch: 2241067
149	20.0	1	10/05/22	10/06/22	
	Project Name Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         ABC           Project Number:         2108           Project Nanager:         Mor           BS22-22 8'         E209190-02           BS22-22 8'         E209190-02           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           83.1 %         Mg/kg           Mg/kg         Mg/kg           ND         25.0           ND         50.0           ND         50.0           ND         50.0           ND         50.0	Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-22 8'         E209190-02         Result       Limit         Dilution       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         Mg/kg       mg/kg       Analyst         ND       25.0       1         ND       25.0       1         ND       50.0       1         ND       50.0       1         ND       50.0       1         ND<	Image: Project Name:         ABO- Coyote 12" Steel Line           Project Number:         21080-0001           Project Manager:         Monica Peppin           BS22-22 8'         Image: Project Manager:           BS22-22 8'         Project Manager:           Result         Limit         Dilution           Project Manager:         Project Manager:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0         1           MD         20.0         1           MD         25.0	Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-22 8'         E209190-02         Result       Dilution       Prepared       Analyzed         MC       Mag/kg       Mag/kg       Analyst: IY       Information         ND       0.0250       1       10/04/22       10/07/22         ND       0.0500       1       10/04/22       10/07/22         ND       0.0250       1       10/04/22       10/07/22         ND       0.0250       1       10/04/22       10/07/22         ND       20.0       1       10/04/22       10/07/22         ND       20.0       1       10/04/22       10/07/22         ND       20.0       1       10/04/22       10/07/22         N



# Sample Data

	3	ample D	ลเล			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	ber: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Mor	nica Peppin			10/7/2022 2:10:55PM
		BS22-23 8'				
		E209190-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2241057		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		118 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241067
Chloride	145	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 2:10:55PM
		BS22-24 8'				
		E209190-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		122 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241067
Chloride	71.9	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala					
Vertex Resource Services Inc.	Project Name		D- Coyote 12" Ste		Reported:			
3101 Boyd Drive	5	oject Number: 21080-0001						
Carlsbad NM, 88220	Project Manag	oject Manager: Monica Peppin						
		BS22-25 8'						
		E209190-05						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241048		
Benzene	ND	0.0250	1	10/04/22	10/07/22			
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22			
Toluene	ND	0.0250	1	10/04/22	10/07/22			
p-Xylene	ND	0.0250	1	10/04/22	10/07/22			
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22			
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22			
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241048		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	10/04/22	10/07/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2241057		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22			
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22			
Surrogate: n-Nonane		114 %	50-200	10/05/22	10/06/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241067		
Chloride	116	20.0	1	10/05/22	10/06/22			



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	eel Line		
3101 Boyd Drive	Project Numb	per: 2108	80-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Mor	ica Peppin			10/7/2022 2:10:55PM
		BS22-26 8'				
		E209190-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: JL			Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
urrogate: n-Nonane		115 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241067
Chloride	155	20.0	1	10/05/22	10/07/22	



# Sample Data

	3	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 2:10:55PM
		BS22-27 8'				
		E209190-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
urrogate: n-Nonane		115 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2241067
Chloride	280	20.0	1	10/05/22	10/07/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 2:10:55PM
		BS22-28 8'				
		E209190-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: JL			Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
urrogate: n-Nonane		112 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241067
Chloride	221	20.0	1	10/05/22	10/07/22	



# Sample Data

	6	ample D	ala			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Mor	10/7/2022 2:10:55PM			
		BS22-29 8'				
		E209190-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.1 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		116 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241067
Chloride	182	20.0	1	10/05/22	10/07/22	



#### Sample Data

ABO- Coyote 12 21080-0001 Monica Peppin	2" Steel Line		Renorted.					
Monica Peppin			Reported:					
			Reported:					
		Monica Peppin						
8'								
10								
orting								
nit Diluti	ion Prepared	Analyzed	Notes					
/kg A	Analyst: IY		Batch: 2241048					
250 1	10/04/22	10/07/22						
250 1	10/04/22	10/07/22						
250 1	10/04/22	10/07/22						
250 1	10/04/22	10/07/22						
500 1	10/04/22	10/07/22						
250 1	10/04/22	10/07/22						
70-130	10/04/22	10/07/22						
/kg A	Analyst: IY		Batch: 2241048					
0.0 1	10/04/22	10/07/22						
70-130	10/04/22	10/07/22						
/kg A	Analyst: JL		Batch: 2241057					
.0 1	10/05/22	10/06/22						
0.0 1	10/05/22	10/06/22						
50-200	10/05/22	10/06/22						
/kg A	Analyst: RAS		Batch: 2241067					
0.0 1	10/05/22	10/07/22						
	g/kg / A )250 1 )250 1 )250 1 )250 1 )250 1 )250 1 ////////////////////////////////////	Dilution         Prepared           g/kg         Analyst: IY           250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0500         1         10/04/22           0500         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           0250         1         10/04/22           g/kg         Analyst: IY           0.0         1         10/04/22           g/kg         Analyst: JL           5.0         1         10/05/22           0.0         1         10/05/22           50-200         10/05/22         g/kg           g/kg         Analyst: RAS	p-10         orting imit       Prepared       Analyzed         g/kg       Analyst: IY       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0500       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         0250       1       10/04/22       10/07/22         g/kg       Analyst: IY       10/07/22         g/kg       Analyst: JL       10/07/22         5.0       1       10/05/22       10/06/22         0.0       1       10/05/22       10/06/22         g/kg       Analyst: RAS       10/06/22					



### Sample Data

	5	ample D	ala					
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line				
3101 Boyd Drive	Project Numb	er: 2108	30-0001			Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 2:10:55PM		
		BS22-31 8'						
		E209190-11						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2241048		
Benzene	ND	0.0250	1	10/04/22	10/07/22			
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22			
Toluene	ND	0.0250	1	10/04/22	10/07/22			
p-Xylene	ND	0.0250	1	10/04/22	10/07/22			
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22			
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22			
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	nalyst: IY		Batch: 2241048		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.8 %	70-130	10/04/22	10/07/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241057		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22			
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22			
Surrogate: n-Nonane		111 %	50-200	10/05/22	10/06/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241067		
Chloride	43.7	20.0	1	10/05/22	10/07/22			



#### Sample Data

	3	ample D	ลเล			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 2108	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin	10/7/2022 2:10:55PM		
		BS22-32 8'				
		E209190-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		117 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241067
Chloride	65.5	20.0	1	10/05/22	10/07/22	



# Sample Data

	5	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 12" Ste 80-0001	el Line		Reported:
Carlsbad NM, 88220	Project Mana	ger: Mor	nica Peppin			10/7/2022 2:10:55PM
		BS22-33 8'				
		E209190-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		116 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241067
Chloride	63.6	20.0	1	10/05/22	10/07/22	



# Sample Data

	56	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Mor	iica Peppin			10/7/2022 2:10:55PM
	]	BS22-34 8'				
	-	E209190-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241048
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		118 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241067
Chloride	148	20.0	1	10/05/22	10/07/22	



# **QC Summary Data**

				BO- Coyote 1						
Vertex Resource Services Inc.		Project Name:			Reported:					
3101 Boyd Drive	Project Number:		1080-0001							
Carlsbad NM, 88220		Project Manager:	ect Manager: Monica Peppin						10/7/2022 2:10:55PM	
		Volatile Or	rganics	by EPA 802	21 <b>B</b>				Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2241048-BLK1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130				
LCS (2241048-BS1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22	
Benzene	4.73	0.0250	5.00		94.7	70-130				
Ethylbenzene	4.14	0.0250	5.00		82.8	70-130				
Toluene	4.32	0.0250	5.00		86.4	70-130				
o-Xylene	4.24	0.0250	5.00		84.8	70-130				
p,m-Xylene	8.39	0.0500	10.0		83.9	70-130				
Total Xylenes	12.6	0.0250	15.0		84.2	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130				
LCS Dup (2241048-BSD1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22	
Benzene	4.87	0.0250	5.00		97.4	70-130	2.84	20		
Ethylbenzene	4.29	0.0250	5.00		85.8	70-130	3.56	20		
Toluene	4.46	0.0250	5.00		89.2	70-130	3.23	20		
p-Xylene	4.39	0.0250	5.00		87.7	70-130	3.31	20		
o,m-Xylene	8.72	0.0500	10.0		87.2	70-130	3.92	20		
Total Xylenes	13.1	0.0250	15.0		87.4	70-130	3.72	20		
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130				



# **QC Summary Data**

		<b>Y V V</b>	/	ary Dat					
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name:ABO- Coyote 12" Steel LineProject Number:21080-0001					Reported:			
Carlsbad NM, 88220		Project Manager	r: N	Monica Peppin	10/7/2022 2:10:55PM				
	No	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241048-BLK1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			
LCS (2241048-BS2)							Prepared: 1	0/04/22 A	analyzed: 10/07/22
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		8.00		83.0	70-130			
LCS Dup (2241048-BSD2)							Prepared: 1	0/04/22 A	analyzed: 10/07/22
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130	4.45	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		8.00		87.0	70-130			



# **QC Summary Data**

		QU DI		ary Data	4				
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:	2	ABO- Coyote 12 1080-0001	2" Steel Li	ine			Reported:
Carlsbad NM, 88220		Project Manager:	Ν	Aonica Peppin					10/7/2022 2:10:55PM
	Nonh	alogenated Org	anics by	FEPA 8015D	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241057-BLK1)							Prepared: 1	0/05/22 A	nalyzed: 10/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.7		50.0		113	50-200			
LCS (2241057-BS1)							Prepared: 1	0/05/22 A	nalyzed: 10/06/22
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			
Matrix Spike (2241057-MS1)				Source:	E209190-	08	Prepared: 1	0/05/22 A	nalyzed: 10/06/22
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			
Matrix Spike Dup (2241057-MSD1)				Source:	E209190-	08	Prepared: 1	0/05/22 A	nalyzed: 10/06/22
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.79	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			



# **QC Summary Data**

		$\mathbf{x} \in \mathcal{S}$							
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager		ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel Li	ne			<b>Reported:</b> 10/7/2022 2:10:55PM
		Anions	by EPA	300.0/9056A	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241067-BLK1)			Prepared: 1						analyzed: 10/06/22
Chloride	ND	20.0							
LCS (2241067-BS1)							Prepared: 1	0/05/22 A	analyzed: 10/06/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2241067-MS1)				Source:	E209190-	01	Prepared: 1	0/05/22 A	analyzed: 10/06/22
Chloride	449	20.0	250	181	107	80-120			
Matrix Spike Dup (2241067-MSD1)				Source:	E209190-	01	Prepared: 1	0/05/22 A	analyzed: 10/06/22
Chloride	439	20.0	250	181	103	80-120	2.40	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/07/22 14:10

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct bill)			RUSH?	Lab Use C	Dnly			Ana	alysis ar	nd Method	1	lab C	nly
Project: ABO-Coyote 12" Steel Line			1d	Lab WC									N/A
Sampler: L. Pullman			3d	\$E20919	70							-	(s)
Phone: 575-361-9880				Job Num	ber	015			300.0			Lab Number	Prsrv
Email(s): MPeppin@vertex.ca, permean@vertex.ca				21080 -	0001	GRO/DRO by 8015	021	8.1	y 30			NN	ont/l
Project Manager: Monica Peppin			Pag			ORO	oy 8(	y 41	de by			Lat	ct C
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Pres	Containers QTY - Vol/TYPE/Preservative		BTEX by 8021	ТРН by 418.1	Chloride				Correct Cont/Prsnv (s) Y/N
BS22-21 81	09-29-2028	12:45	50,1	1 402 Jan		γ	X	χ	χ			1	
BS22-22 8'	04+78-9095	12:50	50,1	1402 Jan		X	X	x	χ			2	
B522-23 8'	09:-29-2022	12:55	Seil	1402 Jay		X	X	x	x			3	
BS22-24 8'		13:00	1				1	1	1			4	
BS22-25 8'		13:05										5	
B522-26 8'		13:10										6	
BS22-27 8'		13:15										7	
BS22-28 8'		13:20										8	
BS22-29 8'		13:25		l								9	
BS22-30 8'	Xm	13:30	V	1	1	V	1	V	Ø			10	
Relinquished by: (Signature) Date Time Jorn June 7:00 07:00	Received	i by: Signa	ature)	9-300 2.0	**R	ecei	ived	on lo	Lab	Use Only N			
Relinquished by: (Signature) Date Time	aitt	by: (Sight	wire)	10/3/22 9:00	_/  '±_	G Te	_ mp°	c 4	T2	-	T3_	-	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Une			ner Type: g					c, <b>ag</b> - amb	er glass, v	- VOA	
*Samples requiring thermal preservation must be received on ice the day	they are sampled o				less than 6 °C o	on su	bsequ	ent da	ys.				_
Sample(s) dropped off after hours to a secure drop off area.		Chain o	f Custody	Notes/Billing info:	Project owner	r: Amt	ber Gro	oves, D	ourango.	Direct bill.			
envirotech Analytical Laboratory			nington: NM 87401 o Street: Suite 115	Durango, EO \$1301	Ph (505) 632-061 Ph (970) 259-063						ei latioratory es	windtech-Un windtech-Un	
			e 25 of 27										

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Received by OCD: 11/8/2022 8:32:26 AM

Client: Vertex (Durango direct bill)			RUSH?	Lab	Use Only			An	alysis	and Met	nod	lab	Only
Project: ABO-Coyote 12" Steel Line			1d		ab WO#								N/N
Sampler: L. Pullman			3d	PE20	09190							5	(s)
Phone: 575-361-9880				Job	Number	3015			300.0			mbe	Prsn
Email(s): MPeppin@vertex.ca, permean@vertex.ca		14			30-0001	by 8	021	8.1	y 30			ab Number	ont/
Project Manager: Monica Peppin			Pag			DRO	by 8	y 41	ide b	-		Lal	ect C
Sample ID	Sample Date	Sample Time	Matrix		tainers PE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by				Correct Cont/Prsrv (s) Y/N
BS22-31 8'	9-29-2022	13:35	Sort	1 40	z Jan	x	8	X	x			11	
B522-32 8'	9-39-2022	13:46	So.1	1 402	Jar	8	8	X	X			IZ	
BS22-33 8'	9-29-2022	13:45	Sor	1 402	Jar	8	x	8	x			13	
BD2-34 8'	9-29-2022	13:50	Sort	1 40	z Jar	X	X	8	χ			14	
Relinquished by: (Signature) Date Time Jahn Juhn 9-30-J021 07:00		Av: Catefra		I-Bite		Recei	ived	on la		b Use Or / N	nly		
Keninguished by (Signature) H-300 4/1	Received	by: (Signa	ture			/G Te						Т3	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	they are sampled o	r received r	acked in ice :		Container Type:					tic, ag - a	mber glas	ss, v - VOA	<u>v</u>
Sample(s) dropped off after hours to a secure drop off area.	and are sumpled of		f Custody							o. Direct bill			
Cenvirotech Analytical Laboratory		ngs • 65 Mercado	ington, NM 87401 Street, Suite 115 26 of 27	Durange, CO X1301	Ph (505) 632- Ph (970) 259-						labora	envirotech- lory (envirotech-	

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Received by OCD: 11/8/2022 8:32:26 AM

# **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.								
ve receive	e no response concerning these items within 24 hours of the d	late of this noti	ice, all the	samples will be analyzed as re	quested.			
Client:	Vertex Resource Services Inc. Da	te Received:	10/03/22	09:00	Work Order ID:	E209190		
Phone:	(575) 748-0176 Da	te Logged In:	09/30/22	17:32	Logged In By:	Alexa Michaels		
Email:	mpeppin@vertex.ca Du	e Date:	10/07/22	2 17:00 (4 day TAT)				
Chain of	f Custody (COC)							
1. Does t	he sample ID match the COC?		Yes					
	the number of samples per sampling site location match	the COC	Yes					
	samples dropped off by client or carrier?		Yes	Carrier: UPS				
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes					
5. Were a	all samples received within holding time?	·	Yes					
	Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,			Comment	ts/Resolution		
Samnle '	Turn Around Time (TAT)							
	e COC indicate standard TAT, or Expedited TAT?		Yes					
Sample (	•							
	sample cooler received?		Yes					
	was cooler received in good condition?		Yes					
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes					
10. Were	custody/security seals present?		No					
11. If yes	s, were custody/security seals intact?		NA					
	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling	eived w/i 15	Yes					
13. If no	visible ice, record the temperature. Actual sample ten	perature: <u>4°</u>	<u>C</u>					
	<u>Container</u>							
	aqueous VOC samples present?		No					
	VOC samples collected in VOA Vials?		NA					
	e head space less than 6-8 mm (pea sized or less)?		NA					
	a trip blank (TB) included for VOC analyses?		NA					
	non-VOC samples collected in the correct containers?		Yes					
	appropriate volume/weight or number of sample containers	collected?	Yes					
Field La								
	field sample labels filled out with the minimum information and the sample ID?	ation:	Yes					
	Date/Time Collected?		Yes					
	Collectors name?		No					
Sample ]	Preservation							
21. Does	the COC or field labels indicate the samples were prese	rved?	No					
22. Are s	sample(s) correctly preserved?		NA					
24. Is lat	filteration required and/or requested for dissolved meta	ls?	No					
Multiph	ase Sample Matrix							
26. Does	the sample have more than one phase, i.e., multiphase?		No					
27. If yes	s, does the COC specify which phase(s) is to be analyzed	1?	NA					
<u>Subcont</u>	ract Laboratory							
	samples required to get sent to a subcontract laboratory?		No					
	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: na				
~	nstruction							



envirotech Inc.

Signature of client authorizing changes to the COC or sample disposition.

•



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E209191

Job Number: 21080-0001

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/7/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 C

**Page 195 of 3**77

Project Name: ABO- Coyote 12" Steel Line Workorder: E209191 Date Received: 10/3/2022 9:00:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summarv

		Sample Sum	mary		
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	ABO- Coyote 12" S 21080-0001 Monica Peppin	Steel Line	<b>Reported:</b> 10/07/22 15:30
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3S22-14 4'	E209191-01A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
S22-15 4'	E209191-02A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
/S22-05 0 - 4'	E209191-03A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
/S22-06 0 - 4'	E209191-04A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
VS22-07 0 - 4'	E209191-05A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
VS22-08 2 - 4'	E209191-06A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
/S22-09 0 - 5'	E209191-07A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
VS22-10 0 - 5'	E209191-08A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
/S22-11 0 - 8'	E209191-09A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
/S22-12 0 - 8'	E209191-10A	Soil	09/28/22	10/03/22	Glass Jar, 4 oz.
S22-16 8'	E209191-11A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-17 2'	E209191-12A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-18 2'	E209191-13A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-19 2'	E209191-14A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
S22-20 2'	E209191-15A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
VS22-13 4 - 8'	E209191-16A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
/S22-14 0 - 2'	E209191-17A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
/822-15 0 - 2'	E209191-18A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
/822-31 0 - 5'	E209191-19A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
/S22-16 0 - 5'	E209191-20A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.



	6	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb	per: 2108	D- Coyote 12" St 80-0001	eel Line		Reported:
Carlsbad NM, 88220	Project Mana	ger: Mor	nica Peppin			10/7/2022 3:30:10PM
		BS22-14 4'				
		E209191-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		104 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2241068
Chloride	197	20.0	1	10/05/22	10/06/22	

# Sample Data

# Sample Data

	56	ample D	ata			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" St	eel Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001		Reported:	
Carlsbad NM, 88220	Project Manag	er: Mor	iica Peppin			10/7/2022 3:30:10PM
		BS22-15 4'				
		E209191-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL		Batch: 2241058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		112 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: RAS		Batch: 2241068
Chloride	21.6	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ata			
Vertex Resource Services Inc.	Project Name	e: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	per: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
	v	VS22-05 0 - 4	•			
		E209191-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL		Batch: 2241058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		93.4 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	ND	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
	W	VS22-06 0 - 4	,			
		E209191-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL		Batch: 2241058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		107 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	ND	20.0	1	10/05/22	10/06/22	



### Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb		30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 3:30:10PM
	W	/822-07 0 - 4	1			
		E209191-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		100 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	85.2	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala				
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line			
3101 Boyd Drive	Project Numb	er: 2108	30-0001	Reported:			
Carlsbad NM, 88220	1, 88220 Project Manager: Monica Peppin						
	W	VS22-08 2 - 4	,				
		E209191-06					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049	
Benzene	ND	0.0250	1	10/04/22	10/07/22		
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22		
Toluene	ND	0.0250	1	10/04/22	10/07/22		
o-Xylene	ND	0.0250	1	10/04/22	10/07/22		
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22		
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22		
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	10/04/22	10/07/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL		Batch: 2241058		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22		
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22		
Surrogate: n-Nonane		106 %	50-200	10/05/22	10/06/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068	
Chloride	ND	20.0	1	10/05/22	10/06/22		



# Sample Data

		ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 210	D- Coyote 12" Ste 80-0001 nica Peppin	<b>Reported:</b> 10/7/2022 3:30:10PM		
	W	VS22-09 0 - 5	'			
		E209191-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		111 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	290	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 3:30:10PM
	W	/S22-10 0 - 5	1			
		E209191-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		115 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	326	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Number	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
	W	/822-11 0 - 8	1			
		E209191-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		111 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	528	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb		30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 3:30:10PM
	W	/822-12 0 - 8	'			
		E209191-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
urrogate: n-Nonane		114 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241068
Chloride	137	20.0	1	10/05/22	10/06/22	



## Sample Data

	D.	ample D	ala			
Vertex Resource Services Inc.	Project Name:	: ABO	D- Coyote 12" St	teel Line		
3101 Boyd Drive	Project Numb	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
		BS22-16 8'				
		E209191-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	28.0	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		113 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2241068
Chloride	52.2	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Number		30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
		BS22-17 2'				
		E209191-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		113 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	171	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" St	eel Line		
3101 Boyd Drive	Project Numb	er: 2108	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 3:30:10PM
		BS22-18 2'				
		E209191-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	42.2	25.0	1	10/05/22	10/06/22	
Oil Range Organics (C28-C36)	51.5	50.0	1	10/05/22	10/06/22	
Surrogate: n-Nonane		110 %	50-200	10/05/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2241068
Chloride	55.9	20.0	1	10/05/22	10/06/22	



# Sample Data

	Di	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12"	Steel Line		
3101 Boyd Drive	Project Number	er: 2108	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 3:30:10PM
		BS22-19 2'				
		E209191-14				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
olatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2241049
enzene	ND	0.0250	1	10/04/22	10/07/22	
thylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
otal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2241049
asoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.8 %	70-130	10/04/22	10/07/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241058
iesel Range Organics (C10-C28)	33.3	25.0	1	10/05/22	10/07/22	
il Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
urrogate: n-Nonane		117 %	50-200	10/05/22	10/07/22	
nions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2241068
hloride	233	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Number	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 3:30:10PM
		BS22-20 2'				
		E209191-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
Surrogate: n-Nonane		113 %	50-200	10/05/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241068
Chloride	157	20.0	1	10/05/22	10/06/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 3:30:10PM
	W	/S22-13 4 - 8	•			
		E209191-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	35.1	25.0	1	10/05/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
Surrogate: n-Nonane		112 %	50-200	10/05/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241068
Chloride	45.6	20.0	1	10/05/22	10/07/22	



# Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 2108	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 3:30:10PM
	W	/822-14 0 - 2	•			
		E209191-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	27.3	25.0	1	10/05/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
Surrogate: n-Nonane		111 %	50-200	10/05/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241068
Chloride	53.3	20.0	1	10/05/22	10/07/22	



# Sample Data

				ata		5	
<b>Reported:</b> 2022 3:30:10PM	10	e	12" Steel Lin	D- Coyote 0-0001 ica Peppir	ber: 2108	Project Name Project Numb Project Mana	3101 Boyd Drive
				,	VS22-15 0 - 2	v	
					E209191-18		
					Reporting		
lotes	Analyzed	Prepared	ution P	Dil	Limit	Result	Analyte
h: 2241049	В	5	Analyst: RKS		mg/kg	mg/kg	Volatile Organics by EPA 8021B
	10/07/22	0/04/22	1 1		0.0250	ND	Benzene
	10/07/22	0/04/22	1 1		0.0250	ND	Ethylbenzene
	10/07/22	0/04/22	1 1		0.0250	ND	oluene
	10/07/22	0/04/22	1 1		0.0250	ND	o-Xylene
	10/07/22	0/04/22	1 1		0.0500	ND	o,m-Xylene
	10/07/22	0/04/22	1 1		0.0250	ND	Total Xylenes
	10/07/22	10/04/22	1	70-130	103 %		urrogate: 4-Bromochlorobenzene-PID
h: 2241049	В	5	Analyst: RKS		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - GRO
	10/07/22	0/04/22	1 1		20.0	ND	Gasoline Range Organics (C6-C10)
	10/07/22	10/04/22	1	70-130	84.9 %		Surrogate: 1-Chloro-4-fluorobenzene-FID
h: 2241058	В		Analyst: JL		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - DRO/ORO
	10/07/22	0/05/22	1 1		25.0	ND	Diesel Range Organics (C10-C28)
	10/07/22	0/05/22	1 1		50.0	ND	Dil Range Organics (C28-C36)
	10/07/22	10/05/22	1	50-200	114 %		Surrogate: n-Nonane
h: 2241068	В	5	Analyst: RAS		mg/kg	mg/kg	Anions by EPA 300.0/9056A
	10/07/22	0/05/22	1 1		20.0	133	Chloride
cl	В	5	Analyst: RAS	50-200	114 % mg/kg	mg/kg	Surrogate: n-Nonane Anions by EPA 300.0/9056A



## Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin		10/7/2022 3:30:10PM	
	W	/S22-31 0 - 5	1			
		E209191-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/05/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2241068
Chloride	254	20.0	1	10/05/22	10/07/22	



## Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin		10/7/2022 3:30:10PM	
	W	/822-16 0 - 5	•			
		E209191-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2241049
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2241049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/05/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/05/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/05/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241068
Chloride	242	20.0	1	10/05/22	10/07/22	



## **QC Summary Data**

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	21	BO- Coyote 12 1080-0001 Ionica Peppin	" Steel Li	ne			<b>Reported:</b> 10/7/2022 3:30:10PM
		Volatile Or	rganics l	oy EPA 8021	B				Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2241049-BLK1)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Benzene	ND	0.0250					•		•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			
LCS (2241049-BS1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22
Benzene	3.91	0.0250	5.00		78.2	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.25	0.0250	5.00		84.9	70-130			
p-Xylene	4.33	0.0250	5.00		86.5	70-130			
p,m-Xylene	8.53	0.0500	10.0		85.3	70-130			
Total Xylenes	12.9	0.0250	15.0		85.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			
LCS Dup (2241049-BSD1)							Prepared: 1	0/04/22 A	analyzed: 10/07/22
Benzene	4.60	0.0250	5.00		91.9	70-130	16.1	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	16.7	20	
Toluene	4.99	0.0250	5.00		99.9	70-130	16.2	20	
p-Xylene	5.11	0.0250	5.00		102	70-130	16.7	20	
o,m-Xylene	10.1	0.0500	10.0		101	70-130	16.4	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	16.5	20	



## **QC Summary Data**

		$\chi \cup \sim$		ary Date					
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number		ABO- Coyote 1 1080-0001	2" Steel Li	ine			Reported:
Carlsbad NM, 88220		Project Manager	r: N	Aonica Peppin					10/7/2022 3:30:10PM
	No	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241049-BLK1)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130			
LCS (2241049-BS2)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			
LCS Dup (2241049-BSD2)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130	8.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			



## **QC Summary Data**

		QC D	u I I I I I I	aly Data	L				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	ABO- Coyote 12 21080-0001 Monica Peppin	2" Steel L	ine			<b>Reported:</b> 10/7/2022 3:30:10PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2241058-BLK1)							Prepared: 1	0/05/22	Analyzed: 10/06/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	61.1		50.0		122	50-200			
LCS (2241058-BS1)							Prepared: 1	0/05/22	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	206	25.0	250		82.4	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			
Matrix Spike (2241058-MS1)				Source: 1	E209191-	05	Prepared: 1	0/05/22	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.5	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike Dup (2241058-MSD1)				Source:	E <b>209191</b> -	05	Prepared: 1	0/05/22	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.1	38-132	2.69	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



## **QC Summary Data**

		<b>C</b>	-		-				
Vertex Resource Services Inc.		Project Name:		ABO- Coyote 12	" Steel Li	ne			Reported:
3101 Boyd Drive		Project Number:	1	21080-0001					•
Carlsbad NM, 88220		Project Manager:	: 1	Monica Peppin					10/7/2022 3:30:10PM
		Anions	by EPA	. 300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241068-BLK1)							Prepared:	10/05/22	Analyzed: 10/06/22
Chloride	ND	20.0							
LCS (2241068-BS1)							Prepared:	10/05/22	Analyzed: 10/06/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2241068-MS1)				Source: l	E <b>209191-</b> (	)1	Prepared:	10/05/22	Analyzed: 10/06/22
Chloride	555	20.0	250	197	143	80-120			M2
Matrix Spike Dup (2241068-MSD1)				Source: l	E <b>209191-</b> (	)1	Prepared:	10/05/22	Analyzed: 10/06/22
Chloride	489	20.0	250	197	117	80-120	12.6	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



	Demition	5 <b>unu</b> 1 (0105	
Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/07/22 15:30

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct bill)			RUSH?	Lab Use Only			Anal	lysis and Method	lab Only
Project: ABO-Coyote 12" Steel Line Sampler: Mr Witer		_	1d 3d	Lab WO# PE209191					Lab Number Correct Cont/Prsrv (s) Y/N
Phone: 575-361-9880			<b>—</b> <sup>34</sup>	Job Number	115			0.	nber rsrv (
Email(s): MPeppin@vertex.ca, permean@vertex.ca				21080-0001	by 8C	121	3.1	/ 300	Lab Number Cont/Prsrv
Project Manager: Monica Peppin	-		Page	e of	DRO	by 8021	y 418.1	de by	ct Co
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX I	трн by	Chloride by 300.0	Corre
BB22201051 BS22-14 41	9-28-2022	09:15	Soul	1 402 Jur	X	χ	X	χ	1
8522-15 4	9-28-22	09:20	Sol	1 402 Javr	X	7	8	7	2
WS22-05 0-4'	9-28-22	09:30	Soil	1 toz Jan	X	X	8	X	3
WS22-06 0-4'		09:40		1			1		4
WS22-07 0-4'		12:00							5
WS22-08 2-4'		12:10							6
WS22-09 0-5'		14:20							7
WS22-10 0-5'		14:25							8
WS22-11 0-8'		14:30							9
WS22-12 0-8'	V	14:35	2	$\checkmark$	V	V		8	10
Relinquished by: (Signature) Date Time	Receive	d by: (Signa	ature)	9-30-22,000 *	*Recei	ved	on Ice	Lab Use Only	
Helinguished by: (Signature) 9-3-32 4:50	Catl	d by: (Signa	ture)	Date Time T			1	Γ2	Т3
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type:				plastic, <b>ag</b> - amber	glass, v - VOA
**Samples requiring thermal preservation must be received on ice the day Sample(s) dropped off after hours to a secure drop off area.	they are sampled o		f Custody	Nata (Dilling infer				s. Irango. Direct bill.	
Cenvirotech Analytical Laboratory		ings + 65 Mercado	ington, NM 87401 5 Street, Suite 115, 1 9 31 of 33						envirotech-inc.com aboratory=envirotech-inc.com

Client: Vertex (Durango direct bill)			RUSH?	La	ab Use Only			An	alysis a	nd Metho	d	lab Or
Project: ABO-Coyote 12" Steel Line			1d		Lab WO#							
Sampler: L. Pullman			3d	PEZ	19090							-
Phone: 575-361-9880					ob Number	8015			300.0			mbe
Email(s): MPeppin@vertex.ca, permean@vertex.ca				2108	1000-0	þγ	8021	418.1	by 30			Lab Number
Project Manager: Monica Peppin		-	Pag			DRO	by 8	by 41				La
Sample ID	Sample Date	Sample Time	Matrix		ontainers TYPE/Preservative	" GRO/DRO	BTEX by 3	TPH b	Chloride		-	Lab Number
BS22-16 8'	9-29-2022	10:15	Sail	1 yoz	Jour	Х	X	X	χ			15
BS22-17 2'	9-29-2022		So.1	1 402	Jour	X	X	X	χ			12
8527-18 2,	9-29-2022	A DECK OFFICE	Sorl	1402	Jour	X	X	x	X			13
BS22-19 2'		10:30	1				1	1				14
BS22-20 2'		10:55										15
WS22-13 4-8'		10:40										16
WS22-14 0-2'		10:45										17
WS22-15 0-2'		10:50										18
WS22-31 0-5'		07:15			ь							19
WS22-16 0-5'	\$60	07:20	V	V	(	V	V	J	1			20
Relinquished by: (Signature) Date Time	Redeiwer	d by (Signa	ature)	1-3Date	2:00	**Recei	ived	on lo	-	Use Only N		
Refinduished by (Signature) Date Time 4-30-32-4,15	P alla	d by: Sign	ture	10 3/22		T1 AVG Te	- mp°	c_4	T2	_	Т3_	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				1. Calence Calence	Container Typ					c, <mark>ag</mark> - amb	per glass, v	- VOA
*Samples requiring thermal preservation must be received on ice the da Sample(s) dropped off after hours to a secure drop off area.	ey they are sampled o	Cab. Diversity	f Custody		and the fact			1.1.1.1		Direct bill		_
		chanto	· custody		- Project d	wner: Amb	Jer Gr	oves, L	urango.	Direct Dill.		
Benvirotech		Act of the second	lington, NM 87401			532-0615 Fx (					and a second second second	wrotech-inc.
Analytical Laboratory	Three Spri		e 32 of 33	Durango, CD 81301	Ph (970)	259-0615 Fr (	800) 162	-18/9			laboratorygien	vaalech-mic

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Received by OCD: 11/8/2022 8:32:26 AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Vertex Resource Services Inc.	Date Received:	10/03/22 0	9:00	Work Order ID: E209191
Phone:	(575) 748-0176 E	Date Logged In:	09/30/22 1	7:36	Logged In By: Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)	
<u>Chain c</u>	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS
4. Was t	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did t	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project ABO-Coyote 12 Steel Line has
Sample	Cooler				been separated into 2 reports due to sample
7. Was a	a sample cooler received?		Yes		volume. Workorders are as follows:
8. If yes	, was cooler received in good condition?		Yes		E209191 & E209192
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r		Yes		
12 Ifm	minutes of sampling visible ice, record the temperature. Actual sample te	mmanatura, 1º	C		
		imperature. <u>4</u>	<u>c</u>		
	<u>Container</u> aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		No NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
	e appropriate volume/weight or number of sample containers.	's collected?	Yes		
Field La		s sometion.	105		
	e field sample labels filled out with the minimum inform	nation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes		
	Collectors name?		No		
-	Preservation	10			
	s the COC or field labels indicate the samples were pres	erved?	No		
	sample(s) correctly preserved?	-0109	NA N-		
	b filteration required and/or requested for dissolved met	a15 (	No		
	nase Sample Matrix				
26. Doe	s the sample have more than one phase, i.e., multiphase		No		
07.70	es, does the COC specify which phase(s) is to be analyze	ed?	NA		
27. If ye					
Subcon	tract Laboratory_				
Subcon 28. Are	tract Laboratory_ samples required to get sent to a subcontract laboratory' a subcontract laboratory specified by the client and if s		No		

Signature of client authorizing changes to the COC or sample disposition.



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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E209192

Job Number: 21080-0001

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/7/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 C

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Project Name: ABO- Coyote 12" Steel Line Workorder: E209192 Date Received: 10/3/2022 9:00:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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#### Sample Summarv

		Sample Sum	mary		
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	ABO- Coyote 12" S 21080-0001 Monica Peppin	Steel Line	<b>Reported:</b> 10/07/22 14:07
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
	Lab Sample ID	wiati ix	Sampicu	Ketelveu	Container
WS22-17 0 - 5'	E209192-01A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-18 0 - 8'	E209192-02A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-19 0 - 8'	E209192-03A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-20 0 - 8'	E209192-04A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-21 0 - 8'	E209192-05A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-22 0 - 8'	E209192-06A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-23 0 - 8'	E209192-07A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-24 0 - 8'	E209192-08A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-25 0 - 8'	E209192-09A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-26 0 - 8'	E209192-10A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-27 0 - 8'	E209192-11A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-28 0 - 8'	E209192-12A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-29 0 - 8'	E209192-13A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.
WS22-30 0 - 8'	E209192-14A	Soil	09/29/22	10/03/22	Glass Jar, 4 oz.



	5	ample D	ala				
Vertex Resource Services Inc.	Project Name		D- Coyote 12" Si	teel Line		Reported:	
3101 Boyd Drive Carlsbad NM, 88220	Project Number: 21080-0001 Project Manager: Monica Peppin						
Cansoau IVIVI, 88220	Floject Mana	gei. Wo	nea reppin			10/7/2022 2:07:33PM	
	V	VS22-17 0 - 5	•				
		E209192-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2241050	
Benzene	ND	0.0250	1	10/04/22	10/06/22		
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22		
Toluene	ND	0.0250	1	10/04/22	10/06/22		
o-Xylene	ND	0.0250	1	10/04/22	10/06/22		
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22		
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22		
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/06/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy		Batch: 2241050		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.4 %	70-130	10/04/22	10/06/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2241059	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22		
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22		
Surrogate: n-Nonane		107 %	50-200	10/06/22	10/07/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2241069	
Chloride	129	20.0	1	10/05/22	10/07/22		

## **Sample Data**



## Sample Data

		ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 2108	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/7/2022 2:07:33PM
	W	/S22-18 0 - 8	'			
		E209192-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
oluene	ND	0.0250	1	10/04/22	10/06/22	
-Xylene	ND	0.0250	1	10/04/22	10/06/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241059	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
urrogate: n-Nonane		110 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	127	20.0	1	10/05/22	10/07/22	



## Sample Data

		ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 210	D- Coyote 12" Stee 30-0001 nica Peppin	el Line		<b>Reported:</b> 10/7/2022 2:07:33PM
	W	/S22-19 0 - 8	'			
		E209192-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.3 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241059	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2241069
Chloride	120	20.0	1	10/05/22	10/07/22	



## Sample Data

	Di	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/7/2022 2:07:33PM
	W	/S22-20 0 - 8	1			
		E209192-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Foluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		111 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	109	20.0	1	10/05/22	10/07/22	



## Sample Data

	Di	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 2:07:33PM
	W	S22-21 0 - 8	,			
		E209192-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2241059		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		117 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	241	20.0	1	10/05/22	10/07/22	



## Sample Data

	~	ampic D				
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste			
3101 Boyd Drive	Project Numb		80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 2:07:33PM
	W	/S22-22 0 - 8	,			
		E209192-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: IY			Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241059	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	186	20.0	1	10/05/22	10/07/22	



## Sample Data

		ampic D	ucu			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Number: 21080-0001					
	W	/S22-23 0 - 8	'			
		E209192-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
oluene	ND	0.0250	1	10/04/22	10/06/22	
-Xylene	ND	0.0250	1	10/04/22	10/06/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22	
urrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		81.4 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241059	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
urrogate: n-Nonane		106 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2241069
Chloride	190	20.0	1	10/05/22	10/07/22	



## Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Number		30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 2:07:33PM
	W	/S22-24 0 - 8	•			
		E209192-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	114	20.0	1	10/05/22	10/07/22	



## Sample Data

	Di	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/7/2022 2:07:33PM
	W	/S22-25 0 - 8	•			
		E209192-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Foluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2241059		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		117 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241069
Chloride	205	20.0	1	10/05/22	10/07/22	



## Sample Data

	5	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb		30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/7/2022 2:07:33PM
	W	/822-26 0 - 8	1			
		E209192-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241069
Chloride	513	20.0	1	10/05/22	10/07/22	



## Sample Data

	50	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001		Reported:	
Carlsbad NM, 88220	Project Manage	er: Mor	iica Peppin			10/7/2022 2:07:33PM
	W	S22-27 0 - 8	•			
	]	E209192-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		112 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	412	20.0	1	10/05/22	10/07/22	



## Sample Data

	Da	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	r: 2108	30-0001		Reported:	
Carlsbad NM, 88220	Project Manage	er: Mor	iica Peppin			10/7/2022 2:07:33PM
	W	S22-28 0 - 8	,			
	]	E209192-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Foluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		Batch: 2241050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	382	20.0	1	10/05/22	10/07/22	



## Sample Data

	50	ampie D	ala			
Vertex Resource Services Inc.	Project Name:					
3101 Boyd Drive	Project Number	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin	10/7/2022 2:07:33PM		
	W	/S22-29 0 - 8	1			
		E209192-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241069
Chloride	278	20.0	1	10/05/22	10/07/22	



## Sample Data

	25	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO				
3101 Boyd Drive	Project Numbe		30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin	10/7/2022 2:07:33PM		
	W	/S22-30 0 - 8	1			
		E209192-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2241050
Benzene	ND	0.0250	1	10/04/22	10/06/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/06/22	
Toluene	ND	0.0250	1	10/04/22	10/06/22	
p-Xylene	ND	0.0250	1	10/04/22	10/06/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/06/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/06/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2241050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.4 %	70-130	10/04/22	10/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2241059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2241069
Chloride	137	20.0	1	10/05/22	10/07/22	



## **QC Summary Data**

		_		•							
Vertex Resource Services Inc.		Project Name:		BO- Coyote 1	2" Steel Li		<b>Reported:</b>				
3101 Boyd Drive		Project Number:	2	1080-0001							
Carlsbad NM, 88220		Project Manager:	Ν	Ionica Peppin		10/7/2022 2:07:33PM					
		Volatile Organics by EPA 8021B									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2241050-BLK1)							Prepared: 1	0/04/22 A	nalyzed: 10/06/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130					
LCS (2241050-BS1)							Prepared: 1	0/04/22 A	analyzed: 10/06/22		
Benzene	4.81	0.0250	5.00		96.2	70-130					
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130					
Toluene	4.24	0.0250	5.00		84.8	70-130					
p-Xylene	4.11	0.0250	5.00		82.3	70-130					
p,m-Xylene	8.14	0.0500	10.0		81.4	70-130					
Total Xylenes	12.3	0.0250	15.0		81.7	70-130					
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130					
LCS Dup (2241050-BSD1)							Prepared: 1	0/04/22 A	analyzed: 10/06/22		
Benzene	5.18	0.0250	5.00		104	70-130	7.37	20			
Ethylbenzene	4.32	0.0250	5.00		86.4	70-130	7.48	20			
Toluene	4.56	0.0250	5.00		91.3	70-130	7.39	20			
p-Xylene	4.41	0.0250	5.00		88.3	70-130	7.01	20			
o,m-Xylene	8.75	0.0500	10.0		87.5	70-130	7.17	20			
Total Xylenes	13.2	0.0250	15.0		87.7	70-130	7.12	20			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130					



## **QC Summary Data**

		$\mathbf{x} = \mathbf{z}$		ary Dav					
Vertex Resource Services Inc.		Project Name:	ABO- Coyote 12" Steel Line						Reported:
3101 Boyd Drive		Project Number	: 2	1080-0001					
Carlsbad NM, 88220		Project Manager	r: N	Ionica Peppin					10/7/2022 2:07:33PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241050-BLK1)							Prepared: 1	0/04/22 A	nalyzed: 10/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			
LCS (2241050-BS2)							Prepared: 1	0/04/22 A	nalyzed: 10/06/22
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			
LCS Dup (2241050-BSD2)							Prepared: 1	0/04/22 A	nalyzed: 10/06/22
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130	7.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.56		8.00		81.9	70-130			



## **QC Summary Data**

		QC D		ary Date					
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number:	2	ABO- Coyote 1 1080-0001	2" Steel Li	ine			<b>Reported:</b> 10/7/2022 2:07:33PM
Carisbad NM, 88220		Project Manager:	N	Ionica Peppin					10///2022 2:07:53PM
	Nonh	alogenated Org	anics by	EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241059-BLK1)							Prepared:	10/05/22	Analyzed: 10/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.1		50.0		110	50-200			
LCS (2241059-BS1)							Prepared:	10/05/22	Analyzed: 10/05/22
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			
Matrix Spike (2241059-MS1)				Source:	E210021-	04	Prepared:	10/05/22	Analyzed: 10/05/22
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike Dup (2241059-MSD1)				Source:	E210021-	04	Prepared:	10/05/22	Analyzed: 10/05/22
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132	0.359	20	
Surrogate: n-Nonane	55.4		50.0		111	50-200			



## **QC Summary Data**

	$\mathbf{x} = \mathbf{v}$	•••••	, <u> </u>					
	5		21080-0001	2" Steel Li	ne			<b>Reported:</b> 10/7/2022 2:07:33PM
	Anions	by EPA	300.0/9056A	1				Analyst: RAS
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Prepared: 10							0/05/22 A	Analyzed: 10/07/22
ND	20.0							
						Prepared: 1	0/05/22 A	Analyzed: 10/07/22
270	20.0	250		108	90-110			
			Source:	E209192-(	01	Prepared: 1	0/05/22 A	Analyzed: 10/07/22
377	20.0	250	129	99.1	80-120			
			Source:	E209192-(	01	Prepared: 1	0/05/22 A	Analyzed: 10/07/22
362	20.0	250	129	93.4	80-120	3.88	20	
	mg/kg ND 270 377	Project Name:       Project Number:       Project Manager:       Anions       Result       mg/kg       ND       270       20.0       377       20.0	Project Name: Project Number: Project Manager:         Anions by EPA         Result mg/kg       Reporting Limit mg/kg       Spike Level mg/kg         ND       20.0         270       20.0       250         377       20.0       250	Project Name:     ABO- Coyote 1       Project Number:     21080-0001       Project Manager:     Monica Peppin         Anions by EPA 300.0/9056 A       Result     Spike     Source       Result     Level     Result       mg/kg     mg/kg     mg/kg         ND     20.0     250       270     20.0     250         Source:     Source:       377     20.0     250	Project Number:21080-0001 Monica PeppinProject Manager:Monica PeppinAnions by EPA 300.0/9056AResultReporting Mg/kgSpike Mg/kgSource Mg/kgND20.025010827020.025010827020.025010837720.025012937720.025012991Ecup192-1Source:E209192-1	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Monica PeppinAnions by EPA 300.0/9056AAnions by EPA 300.0/9056AResult Mg/kgSpike Mg/kgSource Mg/kgRec %ND20.025010890-11027020.025010890-11037720.025012999.180-12037720.025012999.180-120	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Project Manager:ABO- Coyote 12" Steel Line Version 20001 Project Manager:Anions by EPA 300.0/9056AAnions by EPA 300.0/9056ARec Result Result RecRec Limits Morica RPD %Result mg/kgReporting mg/kgSpike mg/kgSource mg/kgRec %Prepared: 1ND20.025010890-110Prepared: 127020.025010890-110Prepared: 137720.025012999.180-120Source: E209192-01Prepared: 137720.025012999.180-120	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Project Manager:ABO- Coyote 12" Steel Line Nonica PeppinAnions by EPA 300.0/9056AAnions by EPA 300.0/9056ARec Result Result Result Regorting Mg/kgRec Mg/kgRep Mg/kgRPD Kesult Mg/kgResult mg/kgReporting Mg/kgSpike Mg/kgSource Mg/kgRec Mg/kgRPD Mg/kgRPD Kesult Mg/kgND 20.020.0Prepared: 10/05/22 A Prepared: 10/05/22 APrepared: 10/05/22 A KesultPrepared: 10/05/22 A KesultND 20.020.020.0108 Source: E209192-01Prepared: 10/05/22 A Prepared: 10/05/22 A377 37720.0250129 Source: E209192-01Prepared: 10/05/22 A Prepared: 10/05/22 A

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/07/22 14:07

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct bill)			RUSH?	Lab U	Lab Use Only Analysi				alysis an	sis and Method la		
Project: ABO-Coyote 12" Steel Line			1d		WO#							N/
Sampler: L. Pullman			3d	PE209	192							(s)
Phone: 575-361-9880					lumber	015			300.0		Number	Prsn
Email(s): MPeppin@vertex.ca, permean@vertex.ca		_		21080-	-0001	by 8	021	8.1	y 30		NU	Correct Cont/Prsrv (s) Y/N
Project Manager: Monica Peppin	1	12000	Page			DRO	by 8	y 41	ide t		Lab	ect C
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative		GRO/DRO by 8015	BTEX by 8021	ТРН by 418.1	Chloride by			Corre
WS22-17 0-5'	9-29-2022	07:25	Sorl	1 Yoz J	w	X	x	X	x		1	
WS22-18 0-8'	6-73-909	25:50	Soil	1402 3	Sar	8	8	8	X		2	
WS22-19 0-8'	9-29-2022	07:40	Sort	1 402	Jour	X	X	X	X		3	
W522-20 0-8'		07:45	1						1		4	
WS22-21 0-8'		07:50									5	
WS22-22 0-8'		07:55									6	
WS22-23 0-8'		08:00								-	7	
WS22-24 0-8'		08:05									8	
WS22-25 0-8'		08:10									9	
WS22-26 0-8'	V	09:30	1	V		1	V	J	J		10	
Relinguished by: (Signature) Date Time Jack And Mark 9-30-2022 07:00	7000	by: (Signa		1-30-27 C	Time	Recei	ved	on Ic	Lab L	Jse Only I		
Reinquished by: (Signature) Gate Jime	ailly	by: (Stra	ture)	0/3/22 9	Time T1	G Tei	- mp°(		T2	-	Т3	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					ntainer Type: g					ag - amber	glass, v - VOA	
**Samples requiring thermal preservation must be received on ice the day Sample(s) dropped off after hours to a secure drop off area.	they are sampled o		acked in ice at f Custody	an avg temp above 0 Notes/Billing info								
		Chain 0	custouy	hores/bining init	D: Project owne	er: Amb	er Gro	ives, D	urango. Di	irect bill.		
Analytical Laboratory			ngton, NM 87401 Street, Suite 115, Di	uanga (0.81301	Ph (505) 632-0 Ph (970) 259-0	-					envirotech-i laboratory-envirotech-i	
	time april		25 of 27	and the state of t	A LOUIS AND	-Q 0.10	201 104	ALC: NO			and a second second second	The state of the

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Received by OCD: 11/8/2022 8:32:26 AM

Client: Vertex (Durango direct bill)				Lab Use Only	/	Analysis and Method						Only
Project: ABO-Coyote 12" Steel Line Sampler: L. PullMan Phone: 575-361-9880		_	1d 3d	Lab WO# E209192 Job Number		15		0			ber	Correct Cont/Prsrv (s) Y/N
Email(s): MPeppin@vertex.ca, permean@vertex.c	а			Job Number 21080-000	IC	oy 80	17	/ 300.0			Lab Number	nt/Pr
Project Manager: Monica Peppin			Pag	e of		RO	418	le by			Lab	t Co
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preserva	ative	GRO/DRO by 8015	TPH hv 418.1	Chloride by				Correc
WS22-27 0-8'	9-29-202	09:35	Ser	1 402 Jan		XX	$\langle X \rangle$	X			11	
WS22-28 0-8'	9-29-2022	09:40	Sail	1 402 Jan		XX	5	X			12	
WS22-29 0-8'	9-29-2082	09:45	Sort	1 Yoz Jar		$\langle X \rangle$	X	X			13	
WS22-30 0-8'	9-29-2022	09:50	Sorl	1 402 Jar	2		48	8			14	
						+		-				
					_	+	+					
							1					
	Im	1										
Relinquished by: (Signature) Date Time	100 -	by (Signa		1-30 2 2.00/	) **Red	eive	d on l	0	b Use Onl / N			
Relinquished by: (Signature) Date Time	plat	by: Isteria	the	10/3/22 9:00	T1 AVG T	emp	°C	4 <sup>T2</sup> _	_	T3		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	<u> </u>			Container T					tic, ag - am	ber glass, v	- VOA	
**Samples requiring thermal preservation must be received on ice the Sample(s) dropped off after hours to a secure drop off area.	day they are sampled o		acked in ice a f Custody	10.11.10.11.1.1				-	o. Direct bill.			-
Cenvirotech Analytical Laboratory		ngs • 65 Mercado	ngton, NM 87401 Street, Suite 115, D 26 Of 27	the state of the s	Ph (505) 632-0615 Fx (505) 632-1865 go. (0.81301 Ph (970) 259-0615 Fr (800) 362-1879					envirotech-inc.com		

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Received by OCD: 11/8/2022 8:32:26 AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Vertex Resource Services Inc.	Date Received:	10/03/22	09:00	Work Order ID: E209192
Phone:	(575) 748-0176 I	Date Logged In:	09/30/22	17:39	Logged In By: Alexa Michaels
Email:		Due Date:	10/07/22	17:00 (4 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	n the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS
4. Was t	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes		Project ABO-Coyote 12 Steel Line has
Sample	Cooler				been separated into 2 reports due to sample
7. Was a	a sample cooler received?		Yes		volume. Workorders are as follows:
8. If yes	, was cooler received in good condition?		Yes		E209191 & E209192
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes		
13. If no	o visible ice, record the temperature. Actual sample to	emperature: 4°	С		
	Container	·	_		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
17. Was	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Yes		
17. Was 18. Are		rs collected?			
17. Was 18. Are	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe	rs collected?	Yes		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform		Yes		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Were</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe abel e field sample labels filled out with the minimum inform Sample ID?		Yes Yes Yes		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes Yes Yes		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes Yes		
<ul> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ul>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	nation:	Yes Yes Yes No		
<ul> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>Sample</li> <li>21. Doe:</li> </ul>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pres	nation:	Yes Yes Yes No No		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Were</li> <li>Were</li> <li>Sample</li> <li>Doc:</li> <li>Are</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were press sample(s) correctly preserved?	nation: served?	Yes Yes Yes No No NA		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved me	nation: served?	Yes Yes Yes No No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doc:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pres sample(s) correctly preserved? b filteration required and/or requested for dissolved me <u>nase Sample Matrix</u>	nation: served? tals?	Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doc:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doce</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pres sample(s) correctly preserved? b filteration required and/or requested for dissolved me <b>hase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase	nation: served? tals? ?	Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field L:</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> <li>27. If ye</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved me <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase ess, does the COC specify which phase(s) is to be analyz	nation: served? tals? ?	Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field L:</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> <li>27. If yee</li> <li>Subcommentation</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pressample(s) correctly preserved? b filteration required and/or requested for dissolved me hase Sample Matrix s the sample have more than one phase, i.e., multiphase ess, does the COC specify which phase(s) is to be analyz tract Laboratory	nation: served? tals? ? ed?	Yes Yes Yes No No No No No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> <li>27. If yee</li> <li>Subcom</li> <li>28. Are</li> </ol>	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved me <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase ess, does the COC specify which phase(s) is to be analyz	nation: served? tals? ? ed? ?	Yes Yes Yes No No NA No	Subcontract Lab	у <sup>.</sup> па

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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## **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E210009

Job Number: 21080-0001

Received: 10/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/10/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 B

**Page 255 of 3**77

Project Name: ABO- Coyote 12" Steel Line Workorder: E210009 Date Received: 10/4/2022 11:00:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2022 11:00:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759

ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summarv

		Sample Sum	mary		
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Number: Project Manager:	ABO- Coyote 12" S 21080-0001 Monica Peppin	Steel Line	<b>Reported:</b> 10/10/22 16:01	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3S22-35 5'	E210009-01A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-36 5'	E210009-02A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
S22-37 5'	E210009-03A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
S22-38 5'	E210009-04A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-39 5'	E210009-05A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-40 5'	E210009-06A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
S22-41 5'	E210009-07A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-44 4'	E210009-08A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-45 4'	E210009-09A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-46 4'	E210009-10A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-47 4'	E210009-11A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-48 5'	E210009-12A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-49 5'	E210009-13A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3822-50 5'	E210009-14A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-51 5'	E210009-15A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-52 0.5'	E210009-16A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-53 0.5'	E210009-17A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
S22-54 0.5'	E210009-18A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
S22-55 0.5'	E210009-19A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
3S22-56 0.5'	E210009-20A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.



	Q	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 210				<b>Reported:</b> 10/10/2022 4:01:05PM
	-	BS22-35 5'				
		E210009-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		101 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241090
Chloride	172	20.0	1	10/06/22	10/07/22	

## Sample Data



### Sample Data

	~	ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name:ABO- Coyote 12" Steel LineProject Number:21080-0001Project Manager:Monica Peppin					<b>Reported:</b> 10/10/2022 4:01:05PM
		BS22-36 5'				
		E210009-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		107 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
Chloride	427	20.0	1	10/06/22	10/07/22	



#### Sample Data

	0	ample D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 12" Ste 30-0001	el Line		Reported:
Carlsbad NM, 88220	Project Mana		ica Peppin			10/10/2022 4:01:05PM
		BS22-37 5'				
		E210009-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS	Batch: 2241090	
Chloride	286	20.0	1	10/06/22	10/07/22	



#### Sample Data

	58	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
	-	BS22-38 5'				
		E210009-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Colatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
enzene	ND	0.0250	1	10/04/22	10/07/22	
thylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
otal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY		Batch: 2241051	
asoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	10/04/22	10/07/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	it: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
urrogate: n-Nonane		118 %	50-200	10/06/22	10/07/22	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
hloride	282	20.0	1	10/06/22	10/07/22	



#### Sample Data

<b>Reported:</b> 0/2022 4:01:05PM
•
0/2022 4:01:05PM
Notes
ch: 2241051
ch: 2241051
ch: 2241076
ch: 2241090



	5	ample D	ala			
Vertex Resource Services Inc.	Project Name	ABO	D- Coyote 12" Ste	eel Line		
3101 Boyd Drive	Project Numb	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/10/2022 4:01:05PM
		BS22-40 5'				
		E210009-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241090
Chloride	172	20.0	1	10/06/22	10/07/22	



#### Sample Data

	D	ample D	ala			
Vertex Resource Services Inc.	Project Name	e: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numl	ber: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Mor	nica Peppin			10/10/2022 4:01:05PM
		BS22-41 5'				
		E210009-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241090
Chloride	233	20.0	1	10/06/22	10/07/22	



#### Sample Data

	21	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Stee	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	80-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
		BS22-44 4'				
		E210009-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	/kg Analyst: IY		Batch: 2241051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		117 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2241090
Chloride	36.9	20.0	1	10/06/22	10/07/22	



## Sample Data

	ampie D					
5		2				
5			<b>Reported:</b> 10/10/2022 4:01:05PM			
220 Project Manager: Monica Peppin						
	BS22-45 4'					
	E210009-09					
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg	Analys	t: IY		Batch: 2241051	
ND	0.0250	1	10/04/22	10/07/22		
ND	0.0250	1	10/04/22	10/07/22		
ND	0.0250	1	10/04/22	10/07/22		
ND	0.0250	1	10/04/22	10/07/22		
ND	0.0500	1	10/04/22	10/07/22		
ND	0.0250	1	10/04/22	10/07/22		
	101 %	70-130	10/04/22	10/07/22		
mg/kg	mg/kg	Analys	t: IY		Batch: 2241051	
ND	20.0	1	10/04/22	10/07/22		
	85.1 %	70-130	10/04/22	10/07/22		
mg/kg	mg/kg	Analys	t: JL		Batch: 2241076	
ND	25.0	1	10/06/22	10/07/22		
ND	50.0	1	10/06/22	10/07/22		
	114 %	50-200	10/06/22	10/07/22		
mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090	
	Project Name: Project Numbo Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         ABC           Project Number:         2103           Project Manager:         Mor           BS22-45 4'         E210009-09           BS22-45 4'         E210009-09           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           85.1 %         mg/kg           Mg/kg         Mg/kg           ND         25.0           ND         50.0	Project Number: $21080-0001$ Monica Peppin         BS22-45 4'       E210009-09         E210009-09       Dilution         Result       Limit       Dilution         mg/kg       mg/kg       Analys         ND       0.0250       1         ND       20.0       1         mg/kg       mg/kg       Analys         ND       25.0       1         ND       50.0       1         ND       50.0       1	I         Project Name: $ABO$ - Coyote 12" Steel Line         Project Number: $21080-0001$ Project Manager:       Monica Peppin         BS22-45 4'         BS22-45 4'         E210009-09         BS22-45 A'       Dilution       Prepared         Result       Dilution       Prepared         Mp $0.0250$ 1 $10/04/22$ ND $20.0$ 1 $10/04/22$ MD $20.0$ 1 $10/04/22$ MD $20.0$ 1 $10/04/22$ MD $20.0$ 1 $10/04/22$ MD $25.0$ 1 $10/06/22$ ND	Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-45 4'         E210009-09         BS22-45 4'       E210009-09         Reporting       Prepared       Analyzed         Mome       Mome       Prepared       Analyzed         Mg/kg       mg/kg       Analyst: IY         ND       0.0250       1       10/04/22       10/07/22         ND       20.0       1       10/04/22       10/07/22         MD       20.0       1       10/04/22       10/07/22         MD       25.0       1	



#### Sample Data

	D	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 210	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/10/2022 4:01:05PM
		BS22-46 4'				
		E210009-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
thylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
urrogate: n-Nonane		106 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
Chloride	ND	20.0	1	10/06/22	10/07/22	



#### Sample Data

	D	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" St	eel Line		
3101 Boyd Drive	Project Number		80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
		BS22-47 4'				
		E210009-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241090
Chloride	31.4	20.0	1	10/06/22	10/07/22	



#### Sample Data

	9	ample D	ala			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	per: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin			10/10/2022 4:01:05PM
		BS22-48 5'				
		E210009-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Toluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
Chloride	ND	20.0	1	10/06/22	10/07/22	



#### Sample Data

	3	ample D	ลเล			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numb	er: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
		BS22-49 5'				
		E210009-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		115 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241090
Chloride	ND	20.0	1	10/06/22	10/07/22	



	3	ample D	ลเล			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numb		D- Coyote 12" St 30-0001	eel Line		Reported:
Carlsbad NM, 88220	Project Manag		ica Peppin			10/10/2022 4:01:05PM
		BS22-50 5'				
		E210009-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
o-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		97.7 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241090
Chloride	63.8	20.0	1	10/06/22	10/07/22	



#### Sample Data

	6	ample D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 12" Ste 30-0001	eel Line		Reported:
Carlsbad NM, 88220	Project Mana	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
		BS22-51 5'				
		E210009-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241090
Chloride	60.5	20.0	1	10/06/22	10/07/22	



	3	ample D	ลเล			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb	per: 210	D- Coyote 12" Ste 80-0001	el Line		Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:01:05PM
	]	BS22-52 0.5'				
		E210009-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
Foluene	ND	0.0250	1	10/04/22	10/07/22	
p-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Fotal Xylenes	ND	0.0250	1	10/04/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		112 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241090
Chloride	371	20.0	1	10/06/22	10/07/22	



## Sample Data

	D.	ampic D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numb		D- Coyote 12" Ste 80-0001	Reported:		
Carlsbad NM, 88220	Project Manag		10/10/2022 4:01:05PM			
	J	BS22-53 0.5'				
		E210009-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/07/22	
oluene	ND	0.0250	1	10/04/22	10/07/22	
-Xylene	ND	0.0250	1	10/04/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/07/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	10/04/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
urrogate: n-Nonane		90.1 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2241090
Chloride	141	20.0	1	10/06/22	10/07/22	



	5	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 2108	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/10/2022 4:01:05PM
	E	BS22-54 0.5'				
		E210009-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/08/22	
Toluene	ND	0.0250	1	10/04/22	10/08/22	
p-Xylene	ND	0.0250	1	10/04/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		95.5 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
Chloride	462	20.0	1	10/06/22	10/07/22	

	D	ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 2108	D- Coyote 12" Ste 30-0001 tica Peppin	eel Line		<b>Reported:</b> 10/10/2022 4:01:05PM
	-	BS22-55 0.5'				
		E210009-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/08/22	
Toluene	ND	0.0250	1	10/04/22	10/08/22	
p-Xylene	ND	0.0250	1	10/04/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/04/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241090
Chloride	397	20.0	1	10/06/22	10/08/22	



	D	ampic D	uta			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 2108	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/10/2022 4:01:05PM
		BS22-56 0.5'				
		E210009-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Benzene	ND	0.0250	1	10/04/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/04/22	10/08/22	
Toluene	ND	0.0250	1	10/04/22	10/08/22	
p-Xylene	ND	0.0250	1	10/04/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/04/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/04/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241051
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	10/04/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane		117 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241090
Chloride	62.3	20.0	1	10/06/22	10/08/22	



## **QC Summary Data**

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Vertex Resource Services Inc.		Project Name:		BO- Coyote 1	2" Steel Li	ne			Reported:
3101 Boyd Drive		Project Number:	2	1080-0001					
Carlsbad NM, 88220		Project Manager:	Ν	Ionica Peppin					10/10/2022 4:01:05PM
		Volatile O	rganics	by EPA 802	21 <b>B</b>				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241051-BLK1)							Prepared: 1	0/04/22	Analyzed: 10/07/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			
LCS (2241051-BS1)							Prepared: 1	0/04/22	Analyzed: 10/07/22
Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.14	0.0250	5.00		82.8	70-130			
Toluene	4.32	0.0250	5.00		86.5	70-130			
p-Xylene	4.24	0.0250	5.00		84.8	70-130			
p,m-Xylene	8.39	0.0500	10.0		83.9	70-130			
Total Xylenes	12.6	0.0250	15.0		84.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			
LCS Dup (2241051-BSD1)							Prepared: 1	0/04/22	Analyzed: 10/07/22
Benzene	4.49	0.0250	5.00		89.7	70-130	6.57	20	
Ethylbenzene	3.88	0.0250	5.00		77.5	70-130	6.54	20	
Toluene	4.06	0.0250	5.00		81.1	70-130	6.37	20	
p-Xylene	3.99	0.0250	5.00		79.8	70-130	6.03	20	
o,m-Xylene	7.87	0.0500	10.0		78.7	70-130	6.34	20	
Total Xylenes	11.9	0.0250	15.0		79.1	70-130	6.24	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



## **QC Summary Data**

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Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 2	ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel Li	ine			<b>Reported:</b> 10/10/2022 4:01:05PM
	No	nhalogenated			15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241051-BLK1)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.55		8.00		81.9	70-130			
LCS (2241051-BS2)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.50		8.00		81.3	70-130			
LCS Dup (2241051-BSD2)							Prepared: 1	0/04/22 A	nalyzed: 10/07/22
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.5	70-130	6.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.56		8.00		82.0	70-130			



## **QC Summary Data**

		QU DI	u 111111	ary Data	4				
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:	2	ABO- Coyote 12 21080-0001	2" Steel Li	ine			Reported:
Carlsbad NM, 88220		Project Manager:	Ν	Monica Peppin					10/10/2022 4:01:05PM
	Nonh	alogenated Org	anics by	7 <b>EPA 8015D</b>	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241076-BLK1)							Prepared: 1	10/06/22 <i>P</i>	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.9		50.0		118	50-200			
LCS (2241076-BS1)							Prepared: 1	10/06/22 A	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	60.0		50.0		120	50-200			
Matrix Spike (2241076-MS1)				Source:	E210009-	13	Prepared: 1	10/06/22 A	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	59.6		50.0		119	50-200			
Matrix Spike Dup (2241076-MSD1)				Source:	E210009-	13	Prepared: 1	10/06/22 A	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	1.80	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



### **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$			~				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel Li	ne			<b>Reported:</b> 10/10/2022 4:01:05PM
		Anions	by EPA	300.0/9056A	۱				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241090-BLK1)							Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride	ND	20.0							
LCS (2241090-BS1)							Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2241090-MS1)				Source:	E210009-0	01	Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride	417	20.0	250	172	98.0	80-120			
Matrix Spike Dup (2241090-MSD1)				Source:	E210009-0	)1	Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride	418	20.0	250	172	98.5	80-120	0.295	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/10/22 16:01

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct bill)			RUSH?	Lab Use Only			An	alysis a	and Method	lab	Only
Project: ABO-Coyote 12" Steel Line			1d	Lab WO#			.0				N/N
Sampler: L. Pullman			3d	PE210009			305				(s)
Phone: 575-361-9880				Job Number	015		S	300.0		Number	rsrv
Email(s): MPeppin@vertex.ca, permean@vertex.ca				21080.0001	by 8	021	t				ont/F
Project Manager: Monica Peppin			Pag	e 1 of 4 6456	No K	y 80	4	de b		Lab	ct C
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by			Correct Cont/Prsrv (s) Y/N
BS22-35 5'	9-30-22	07:20	Sort	1 402 Jan	8	x	7	x		1	
BS22-36 &'	9-30-22	07:25	Soil	1 402 Jan	8	X	8	χ		2	
BS22-37 5'	9-30-22	07:30	Soil	1 402 Jar	X	X	X	X		3	
BS22-38 5'		07:35		-	1		1	1		4	
8522-39 5'		07:40								5	
BS22-40 5'		07:45								6	
BS22-41 5'		07:50								7	
BS22-44 1 4'		09:30								8	
B522-45 4'		09:35								9	
BS22-46 4'		09:20		J	3	J	V	2		10	
Relinquished by: (Signature) Date Time	Received	Tais	ture)	10-3-22 2:300 **	Rece	ived	on lo	add	Use Only N		
Relinduished by: (Spenature) 0-3-202 07:30	Received	by: (Signa	ture)	Date Time T1		_	1	F <sup>2</sup>	-	Т3	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		6-6		Container Type:		_		/plasti	ic, ag - amber	glass, v - VOA	
**Samples requiring thermal preservation must be received on ice the day	they are sampled o				C on su	bseque	ent da	ys.			
Sample(s) dropped off after hours to a secure drop off area.		Chain of	f Custody	Notes/Billing info: Project own	er: Amł	ber Gro	oves, D	)urango.	. Direct bill.		
envirotech Analytical Laboratory			ington, NM 874ú) Street, Suite 115 I	Ph (505) 632- Jurango, (0.81301 Ph (970) 259-						envinitieste a	

Client: Vertex (Durango direct bill)			_	RUSH?	1	ab Use Only			An	alysis and Metho	d lab
Project: ABO-Coyote 12" Steel Line				1d	100	Lab WO#			10		
Sampler: L. Pullann				3d	PE	210009			0		
Phone: 575-361-9880						Job Number	8015		00	300.0	mbe
Email(s): MPeppin@vertex.ca, permean@vertex.ca			_		6.0	1000.080	þ	021	8	by 30	Lab Number
Project Manager: Monica Peppin	1			Page		4 6452	DRC	by 8	17	ide	La
Sample ID	Sample	e Date	Sample Time	Matrix		/TYPE/Preservative	GRO/DRO	BTEX by 8021	TPH	Chloride	
BSD22+400 BS22-47 4'	9-30-	22 0	25: PC	Sort	1 402	Jom	X	x	8	8	11
B522-48 5'	9-30-	22 1	3:10	Soil		Jow	X	X	X	X	12
B522-49 5'	9-30	1-22 1	3:15	Soil	1 40	z Jon	χ	X	X	X	13
BS22-50 5'	1	ľ	3:20				1	1	1	1	14
BS22-51 5'		6	3:25								IS
8522-52 0.5'		V	4:00								KC
BS22-53 0.5'		V	f.05								17
BS22-54 0.5'		μ	4:10								18
BS22-55 0.5'		10	4:15								19
BS22-56 0.5'	V	n li	4:20	1	D	ſ	J	J	J	8	20
Relinquished by: (Signature) Date Time	AR	PION	y: Senat	ture)	10 3-2)	300 **R	ecei	ved	on lo	Lab Use Only	/
Relinquished by: (Signature) Date Time	Re	ceived by	UStgnat	ture)	10/4/22	T1_		- mp°		T2	Т3
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		and		-		Container Type: g	_	_			ber glass, v - VOA
**Samples requiring thermal preservation must be received on ice the day Sample(s) dropped off after hours to a secure drop off area.	they are sam			Custody	t an avg temp a Notes/Bill	las lafa:				nys. Durango. Direct bill.	
Renvirotech						bl. John an av			1011		
Analytical Laboratory				ugton, NM 87401	urango (0 81101	Ph (505) 632-061 Ph (970) 259-061					envitotech

lab Only

Correct Cont/Prsrv (s) Y/N Lab Number

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Vertex Resource Services Inc. Da	ate Received:	10/04/22 11:00	)	Work Order ID: E210009
Phone:	(575) 748-0176 Da	ate Logged In:	10/04/22 09:10	5	Logged In By: Alexa Michaels
Email:	mpeppin@vertex.ca De	le Date:	10/10/22 17:0	) (4 day TAT)	
<u>Chain o</u>	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: L	JPS
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	Turn Around Time (TAT)				
	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project ABO-Coyote 12" Steel Line has
Sample					been split into multiple reports/workorders
	sample cooler received?		Yes		due to amount of sample. WO#'s are as
8. If yes	, was cooler received in good condition?		Yes		follows: E210009 & E210010
9. Was ť	he sample(s) received intact, i.e., not broken?		Yes		10110WS. E210007 & E210010
10. Wer	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re-		Yes		
13. If no	minutes of sampling visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>C</u>		
<u>Sample</u>	<u>Container</u>				
14. Are	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
15. Are	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA NA		
15. Are 16. Is the 17. Was	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?				
15. Are 16. Is the 17. Was	e head space less than 6-8 mm (pea sized or less)?		NA		
15. Are <sup>7</sup> 16. Is the 17. Was 18. Are 1	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?	collected?	NA NA		
<ol> <li>Are <sup>3</sup></li> <li>Is the</li> <li>Is the</li> <li>Are 1</li> <li>Is the</li> <li>Field La</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel_		NA NA Yes		
<ol> <li>Are <sup>7</sup></li> <li>Is the</li> <li>Was</li> <li>Are <sup>1</sup></li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform		NA NA Yes Yes		
<ol> <li>Are <sup>7</sup></li> <li>Is the</li> <li>Vas</li> <li>Are <sup>1</sup></li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID?		NA NA Yes Yes		
15. Are <sup>7</sup> 16. Is the 17. Was 18. Are <sup>1</sup> 19. Is the <b>Field L</b> <sub>2</sub> 20. Were	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform		NA NA Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Lz 20. Were	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		NA NA Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?	ation:	NA NA Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	NA NA Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Does 22. Are	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation: erved?	NA NA Yes Yes Yes Yes No		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Lz 20. Were 20. Were 21. Does 22. Are 24. Is lat	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	NA NA Yes Yes Yes Yes No NA		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Lz 20. Were 20. Were 21. Does 22. Are 24. Is lai Multiph	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved? ıls?	NA NA Yes Yes Yes Yes No NA		
15. Are 16. Is the 17. Was 18. Are 19. Is the <b>Field Ls</b> 20. Were 20. Were 21. Does 22. Are 24. Is lai <u>Multiph</u> 26. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta tase Sample Matrix	ation: prved? Ils?	NA NA Yes Yes Yes Yes No NA No		
15. Are 16. Is the 17. Was 18. Are 19. Is the <b>Field Lz</b> 20. Were 20. Were 21. Does 22. Are 24. Is lat <b>Multiph</b> 26. Does 27. If ye	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <b>hase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase?	ation: prved? Ils?	NA NA Yes Yes Yes Yes No NA No		
15. Are 16. Is the 17. Was 18. Are 19. Is the <b>Field Lz</b> 20. Were 21. Does 22. Are 24. Is lal <u>Multiph</u> 26. Does 27. If ye	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta tase Sample Matrix s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyzed	ation: erved? ıls? d?	NA NA Yes Yes Yes Yes No NA No		



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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E210010

Job Number: 21080-0001

Received: 10/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/10/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 P

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Project Name: ABO- Coyote 12" Steel Line Workorder: E210010 Date Received: 10/4/2022 11:00:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2022 11:00:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

		Sample Sum	mary		
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:	ABO- Coyote 12" 21080-0001	Steel Line	Reported:
Carlsbad NM, 88220		Project Manager:	Monica Peppin		10/10/22 16:04
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS22-57 0.5'	E210010-01A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
BS22-58 0.5'	E210010-02A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
BS22-59 0.5'	E210010-03A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-47 0-0.5'	E210010-04A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-48 0-0.5'	E210010-05A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-32 5-8'	E210010-06A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-38 0-4'	E210010-07A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-39 0.5-4'	E210010-08A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-40 0-4'	E210010-09A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-41 0-4'	E210010-10A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-42 0.5-5'	E210010-11A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-43 0.5-5'	E210010-12A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-44 0.5-5'	E210010-13A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-45 0.5-5'	E210010-14A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.
WS22-46 0-5'	E210010-15A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.



		ampie D							
Vertex Resource Services Inc.		Project Name: ABO- Coyote 12" Steel Line							
3101 Boyd Drive	Project Numb		30-0001	Reported:					
Carlsbad NM, 88220	Project Manag	ger: Mor	iica Peppin			10/10/2022 4:04:37PM			
	]	BS22-57 0.5'							
		E210010-01							
		Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241070			
Benzene	ND	0.0250	1	10/05/22	10/08/22				
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22				
Toluene	ND	0.0250	1	10/05/22	10/08/22				
o-Xylene	ND	0.0250	1	10/05/22	10/08/22				
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22				
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22				
Surrogate: Bromofluorobenzene		98.1 %	70-130	10/05/22	10/08/22				
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	10/05/22	10/08/22				
Surrogate: Toluene-d8		104 %	70-130	10/05/22	10/08/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	ng/kg Analyst: IY			Batch: 2241070			
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22				
Surrogate: Bromofluorobenzene		98.1 %	70-130	10/05/22	10/08/22				
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	10/05/22	10/08/22				
Surrogate: Toluene-d8		104 %	70-130	10/05/22	10/08/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241077			
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22				
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22				
Surrogate: n-Nonane		118 %	50-200	10/06/22	10/08/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2241092			
Chloride	509	20.0	1	10/06/22	10/08/22				

# Sample Data

# Sample Data

		ample D	uu					
Vertex Resource Services Inc.	Project Name:		D- Coyote	12" Stee	l Line			
3101 Boyd Drive	Project Numb		30-0001	Reported:				
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppii		10/10/2022 4:04:37PM			
	I	BS22-58 0.5'						
		E210010-02						
		Reporting						
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Benzene	ND	0.0250		1	10/05/22	10/08/22		
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22		
Toluene	ND	0.0250		1	10/05/22	10/08/22		
-Xylene	ND	0.0250		1	10/05/22	10/08/22		
,m-Xylene	ND	0.0500		1	10/05/22	10/08/22		
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22		
urrogate: Bromofluorobenzene		96.4 %	70-130		10/05/22	10/08/22		
urrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		10/05/22	10/08/22		
urrogate: Toluene-d8		103 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2241070	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22		
urrogate: Bromofluorobenzene		96.4 %	70-130		10/05/22	10/08/22		
urrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		10/05/22	10/08/22		
urrogate: Toluene-d8		103 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22		
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22		
urrogate: n-Nonane		112 %	50-200		10/06/22	10/08/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092	
Chloride	285	20.0		1	10/06/22	10/08/22		



# **Sample Data**

	D D	ample D	uu				
Vertex Resource Services Inc.	Project Name	e: ABO	D- Coyote				
3101 Boyd Drive	Project Numl	per: 2108	30-0001				Reported:
Carlsbad NM, 88220	Project Mana	10/10/2022 4:04:37PM					
		BS22-59 0.5'					
		E210010-03					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
o-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500		1	10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		10/05/22	10/08/22	
urrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		120 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	306	20.0		1	10/06/22	10/08/22	



		ampie D					
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numbe		D- Coyote 1 30-0001	12" Steel	Line		Reported:
Carlsbad NM, 88220	Project Manag		ica Peppin				10/10/2022 4:04:37PM
	W	S22-47 0-0.5	•				
		E210010-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500		1	10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		122 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	307	20.0		1	10/06/22	10/08/22	



	5	ample D	uu				
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 30-0001	12" Stee	l Line		Reported:
Carlsbad NM, 88220	Project Manager: Monica Peppin						10/10/2022 4:04:37PM
	W	VS22-48 0-0.5	•				
		E210010-05					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500		1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		102 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	ND	20.0		1	10/06/22	10/08/22	



# Sample Data

	~~~	ampic D						
Vertex Resource Services Inc.	Project Name:	• •						
3101 Boyd Drive	Project Number: 21080-0001						<b>Reported:</b> 10/10/2022 4:04:37PM	
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppin				10/10/2022 4:04:3/PM	
	V	VS22-32 5-8'						
		E210010-06						
		Reporting						
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Benzene	ND	0.0250		1	10/05/22	10/08/22		
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22		
Toluene	ND	0.0250		1	10/05/22	10/08/22		
o-Xylene	ND	0.0250		1	10/05/22	10/08/22		
,m-Xylene	ND	0.0500		1	10/05/22	10/08/22		
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22		
Surrogate: Bromofluorobenzene		99.3 %	70-130		10/05/22	10/08/22		
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		10/05/22	10/08/22		
urrogate: Toluene-d8		103 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22		
urrogate: Bromofluorobenzene		99.3 %	70-130		10/05/22	10/08/22		
urrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		10/05/22	10/08/22		
urrogate: Toluene-d8		103 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077	
Diesel Range Organics (C10-C28)	ND	25.0	:	1	10/06/22	10/08/22		
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22		
urrogate: n-Nonane		114 %	50-200		10/06/22	10/08/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092	
Chloride	153	20.0		1	10/06/22	10/08/22		



## Sample Data

		ample D	uu				
Vertex Resource Services Inc.	Project Name	e: ABO	D- Coyote				
3101 Boyd Drive	Project Num		30-0001		Reported:		
Carlsbad NM, 88220	Project Mana	iger: Mor		10/10/2022 4:04:37PM			
		WS22-38 0-4'					
		E210010-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500		1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/05/22	10/08/22	
urrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		10/05/22	10/08/22	
urrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/05/22	10/08/22	
urrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
urrogate: n-Nonane		120 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	74.4	20.0		1	10/06/22	10/08/22	



	D	ample D	uu					
Vertex Resource Services Inc.	Project Name	Project Name: ABO- Coyote 12" Steel Line						
3101 Boyd Drive	Project Numb	per: 2108	30-0001		Reported:			
Carlsbad NM, 88220	Project Mana	ger: Mor	ica Peppin	l			10/10/2022 4:04:37PM	
	W	VS22-39 0.5-4	,					
		E210010-08						
		Reporting						
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Benzene	ND	0.0250		1	10/05/22	10/08/22		
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22		
Toluene	ND	0.0250		1	10/05/22	10/08/22		
p-Xylene	ND	0.0250		1	10/05/22	10/08/22		
o,m-Xylene	ND	0.0500		1	10/05/22	10/08/22		
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22		
Surrogate: Bromofluorobenzene		96.6 %	70-130		10/05/22	10/08/22		
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		10/05/22	10/08/22		
Surrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22		
Surrogate: Bromofluorobenzene		96.6 %	70-130		10/05/22	10/08/22		
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		10/05/22	10/08/22		
Surrogate: Toluene-d8		105 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2241077	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22		
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22		
Surrogate: n-Nonane		117 %	50-200		10/06/22	10/08/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092	
Chloride	178	20.0		1	10/06/22	10/08/22		



# Sample Data

	~	ampic D					
Vertex Resource Services Inc.	Project Name						
3101 Boyd Drive	Project Numb	er: 2108	0-0001			Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mon	ica Peppin	l			10/10/2022 4:04:37PM
	V	WS22-40 0-4'					
		E210010-09					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500		1	10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2241077
Diesel Range Organics (C10-C28)	40.1	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		106 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	131	20.0		1	10/06/22	10/08/22	



# Sample Data

		ample D	ata				
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numbe		D- Coyote 30-0001	12" Stee	l Line		Reported:
Carlsbad NM, 88220	Project Manag		iica Peppir	1			10/10/2022 4:04:37PM
	W	VS22-41 0-4'					
		E210010-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
o-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	0.0500		10/05/22	10/08/22	
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		101 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	85.0	20.0		1	10/06/22	10/08/22	



	D.	ampie D	utu				
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 30-0001	12" Stee	l Line		Reported:
Carlsbad NM, 88220	Project Manag	ger: Mor	ica Peppir	1			10/10/2022 4:04:37PM
	W	822-42 0.5-5	•				
		E210010-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	0.0500 1		10/05/22	10/08/22	
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		10/05/22	10/08/22	
urrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		104 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	306	20.0		1	10/06/22	10/08/22	



		imple D					
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numbe		D- Coyote 30-0001	12" Stee	l Line		Reported:
Carlsbad NM, 88220	Project Manag		ica Peppin	1			10/10/2022 4:04:37PM
	W	S22-43 0.5-5	•				
	-	E210010-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	.0500 1		10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		106 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		106 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		100 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	303	20.0		1	10/06/22	10/08/22	



		ampic D					
Vertex Resource Services Inc.	Project Name:		D- Coyote 30-0001	12" Stee	l Line		
3101 Boyd Drive Carlsbad NM, 88220	Project Number Project Manag		ica Peppir	ı			<b>Reported:</b> 10/10/2022 4:04:37PM
,	, .		11				
		S22-44 0.5-5	•				
		E210010-13					
	D li	Reporting	51		D 1		NT .
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	0500 1		10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		90.9 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092
Chloride	76.4	20.0		1	10/06/22	10/08/22	



	D	ample D	uu					
Vertex Resource Services Inc.	Project Name							
3101 Boyd Drive	Project Numb	per: 2108	80-0001				Reported:	
Carlsbad NM, 88220	Project Mana	ger: Mor	iica Peppii	1			10/10/2022 4:04:37PM	
	v	VS22-45 0.5-5	<b>,</b>					
		E210010-14						
		Reporting						
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Benzene	ND	0.0250		1	10/05/22	10/08/22		
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22		
Toluene	ND	0.0250		1	10/05/22	10/08/22		
-Xylene	ND	0.0250		1	10/05/22	10/08/22		
,m-Xylene	ND	0.0500		1	10/05/22	10/08/22		
Total Xylenes	ND	0.0250		1	10/05/22	10/08/22		
Surrogate: Bromofluorobenzene		99.3 %	70-130		10/05/22	10/08/22		
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/05/22	10/08/22		
Surrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22		
Surrogate: Bromofluorobenzene		99.3 %	70-130		10/05/22	10/08/22		
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/05/22	10/08/22		
urrogate: Toluene-d8		104 %	70-130		10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241077	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22		
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22		
Surrogate: n-Nonane		100 %	50-200		10/06/22	10/08/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2241092	
Chloride	191	20.0		1	10/06/22	10/08/22		



# **Sample Data**

	D D	ample D	uu				
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote	12" Stee	l Line		
3101 Boyd Drive	Project Numb		30-0001				Reported:
Carlsbad NM, 88220	Project Mana	ger: Mor	ica Peppii	n			10/10/2022 4:04:37PM
	V	WS22-46 0-5'					
		E210010-15					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241070
Benzene	ND	0.0250		1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250		1	10/05/22	10/08/22	
Toluene	ND	0.0250		1	10/05/22	10/08/22	
p-Xylene	ND	0.0250		1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	.0500		10/05/22	10/08/22	
Total Xylenes	ND	0.0250	0250 1		10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		106 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2241070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/05/22	10/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/05/22	10/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		10/05/22	10/08/22	
Surrogate: Toluene-d8		106 %	70-130		10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2241077
Diesel Range Organics (C10-C28)	ND	25.0		1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0		1	10/06/22	10/08/22	
Surrogate: n-Nonane		105 %	50-200		10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2241092
Chloride	161	20.0		1	10/06/22	10/08/22	



# **QC Summary Data**

Vertex Resource Services Inc.		Project Name:	AI	BO- Coyote 12	2" Steel Li	ne			Reported:
3101 Boyd Drive		Project Number:	21	080-0001					-
Carlsbad NM, 88220		Project Manager:	M	onica Peppin					10/10/2022 4:04:37PM
	V	olatile Organic	Compou	unds by EP	PA 8260E	6			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241070-BLK1)							Prepared: 10	)/05/22 A	nalyzed: 10/08/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2241070-BS1)							Prepared: 10	)/05/22 A	nalyzed: 10/08/22
Benzene	2.16	0.0250	2.50		86.4	70-130			
Ethylbenzene	2.20	0.0250	2.50		87.8	70-130			
Toluene	2.18	0.0250	2.50		87.3	70-130			
o-Xylene	2.07	0.0250	2.50		82.7	70-130			
p,m-Xylene	4.10	0.0500	5.00		81.9	70-130			
Total Xylenes	6.16	0.0250	7.50		82.2	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS Dup (2241070-BSD1)							Prepared: 10	)/05/22 A	nalyzed: 10/08/22
Benzene	2.14	0.0250	2.50		85.6	70-130	0.930	23	
Ethylbenzene	2.17	0.0250	2.50		86.7	70-130	1.31	27	
Toluene	2.15	0.0250	2.50		85.9	70-130	1.59	24	
o-Xylene	2.06	0.0250	2.50		82.4	70-130	0.291	27	
p,m-Xylene	4.04	0.0500	5.00		80.8	70-130	1.34	27	
Total Xylenes	6.10	0.0250	7.50		81.4	70-130	0.987	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



# **QC Summary Data**

		QC D	umm	ary Data	4				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		ABO- Coyote 12 21080-0001 Monica Peppin	2" Steel L	ine		10	<b>Reported:</b> 0/10/2022 4:04:37PM
Calisbau IVIV, 88220	No	nhalogenated C			15D - G	RO		10	Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	-
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241070-BLK1)							Prepared: 1	0/05/22 Ana	alyzed: 10/08/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2241070-BS2)							Prepared: 1	0/05/22 Ana	alyzed: 10/08/22
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
LCS Dup (2241070-BSD2)							Prepared: 1	0/05/22 Ana	alyzed: 10/08/22
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.6	70-130	24.4	20	R3
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		<b>93</b> .7	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



# **QC Summary Data**

		QU N		ary Date	-				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel Li		<b>Reported:</b> 10/10/2022 4:04:37PM		
	Nonh	alogenated Org							
				EIA 8013L	- DKO				Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241077-BLK1)							Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.5		50.0		117	50-200			
LCS (2241077-BS1)							Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			
Matrix Spike (2241077-MS1)				Source:	E210010-	02	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			
Matrix Spike Dup (2241077-MSD1)				Source:	E210010-	02	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	0.122	20	
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			



# **QC Summary Data**

	<u> </u>							
	5		21080-0001	2" Steel Li	ne			<b>Reported:</b> 10/10/2022 4:04:37PM
	Anions	by EPA	300.0/90564	4				Analyst: RAS
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	0/06/22 A	Analyzed: 10/08/22
ND	20.0							
						Prepared: 1	0/06/22 A	Analyzed: 10/08/22
247	20.0	250		98.9	90-110			
			Source:	E210010-0	01	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
752	20.0	250	509	97.6	80-120			
			Source:	E210010-0	01	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
735	20.0	250	509	90.8	80-120	2.29	20	
	mg/kg ND 247 752	Project Name:       Project Number:       Project Manager       Anions       Result       mg/kg       ND       247       20.0       752       20.0	Project Name:     Project Number:     2       Project Number:     2       Project Manager:     1       Anions by EPA       Result     Reporting       mg/kg     mg/kg       ND     20.0       247     20.0       752     20.0	Project Name:     ABO- Coyote 1       Project Number:     21080-0001       Project Manager:     Monica Peppin         Anions by EPA 300.0/9056A       Result     Spike       Result     Spike       mg/kg     mg/kg       ND     20.0       247     20.0       Z47     20.0       Z50     Source:       752     20.0       250     Source:	Project Name:       ABO- Coyote 12" Steel Li         Project Number:       21080-0001         Project Manager:       Monica Peppin         Anions by EPA 300.0/9056A         Result Limit Level Result Rec         mg/kg       mg/kg       mg/kg       %         ND       20.0       247       20.0       250       98.9         Source: E210010-0         752       20.0       250       509       97.6         Source: E210010-0	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Monica PeppinAnions by EPA 300.0/9056AAnions by EPA 300.0/9056AResult Mg/kgReporting Mg/kgSpike Mg/kgSource Mg/kgRec %ND20.025098.990-11024720.025098.990-11075220.025050997.680-120Source:E210010-01E210010-01E012075220.025050997.680-120	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Project Manager:ABO- Coyote 12" Steel Line Version 20001 Project Manager:Anions by EPA 300.0/9056AAnions by EPA 300.0/9056ARec Result Result RecRec Limits Minits RPD %RPD %Result mg/kgReporting mg/kgSpike mg/kgSource mg/kgRec %Prepared: 1ND20.0Prepared: 1Prepared: 1Prepared: 124720.025098.990-110Prepared: 175220.025050997.680-120Source: E210010-01Prepared: 1	Project Name: Project Number: Project Manager:ABO- Coyote 12" Steel Line 21080-0001 Project Manager:ABO- Coyote 12" Steel Line Nonica PeppinAnions by EPA 300.0/9056AAnions by EPA 300.0/9056ARec Result Result RecRec Limits RPD Minits RPD Minits Mg/kgRPD Mg/kgRPD Mg/kgResult mg/kgReporting Mg/kgSpike Mg/kgSource Mg/kgRec Mg/kgRPD Mg/kgRPD Mg/kgND 20.020.0Prepared: 10/06/22 A Prepared: 10/06/22 AND 20.020.098.990-110Prepared: 10/06/22 A Prepared: 10/06/22 ASource: E210010-01 Mo/20.0Prepared: 10/06/22 A Prepared: 10/06/22 A

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Demittions and Notes										
Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line								
3101 Boyd Drive	Project Number:	21080-0001	Reported:							
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/10/22 16:04							

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct bill)			RUSH?	Lab	Use Only			Ana	alysis a	nd Meth	od	lab	Only
Project: ABO-Coyote 12" Steel Line			1d	La	b WO#			10					N/N
Sampler: L. Pullman			3d	PEZI	0010			S108				5	(s)
Phone: 575-361-9880			_		Number 3-0001	8015			0.0			Lab Number	Prsn
Email(s): MPeppin@vertex.ca, permean@vertex.ca				21080	2-0001	þ	021	4.8	y 30			NU	ont/
Project Manager: Monica Peppin		_	Pag		1466	DRO	by 8(	V 44	de b			Lat	ct C
Sample ID	Sample Date	Sample Time	Matrix	Conta QTY - Vol/TYP	iners E/Preservative	GRO/DRO	BTEX by 8021	TPH by <del>418.1</del> -	Chloride by 300.0				Correct Cont/Prsrv (s) Y/N
BS22-57 0.5'	109-30-22	14:25	Sor	1-40	sz jar	X	X	8	X			1	
B522-58 0.5'	9-30-22	14:30	Soil	1	0	x	8	8	8			2	
BS22-59 0.5'	9-30-22	14:35	Sail			2	7	8	X			3	
W822-47 WARN 0-0.5'		13:00			2	1		1	1			4	
WS22-48 0-0.5'		13:05	V		-	V	V	V	ď			5	
													-
				_									
Relinquished by: (Signature) Date Time	- 100	by: (Sigma	tura	Date	Time					Use On			
2012-3-2022 07:30	- Meleres	Carlo	ture)	13-240	- 1	Recei	ived	on lo	Y/		iy		
Refinctived by: (Signature)	Received	by: (Signa	ture)	10/4/22 I		_	_ mp °		1 <sup>T2</sup>		Т		-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		e	C		ntainer Type: g					c, <mark>ag</mark> - an	nber glass,	v - VOA	
**Samples requiring thermal preservation must be received on ice the day Sample(s) dropped off after hours to a secure drop off area.			acked in ice a							Direct bill.			
Genvirotech	5796 US Hi	ghway 64, Farmi	ngton, NM 8240)		Ph (505) 637-06	515 Fx !	505) 632	1865				envirotech	ine com
Analytical Laboratory	Three Sprin	igs - 65 Mercado	Street, Suite TTS 1	Durango, CO 83303	Ph (970) 259-08	15 Fr (	800) 362	1879			Isboratory	enviratech	inc.com

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Received by OCD: 11/8/2022 8:32:26 AM

Client: Vertex (Durango direct bill)			RUSH?	Lab Use Only A			Analysis and Method			lab Only
Project: ABO-Coyote 12" Steel Line			1d	Lab WO#			10			N/N
Sampler: L.PullAa		3d	PEZIODIO			208			r (s)	
Phone: 575-361-9880		-	Job Number	by 8015		0	300.0		Lab Number t Cont/Prsrv	
Email(s): MPeppin@vertex.ca, permean@vertex.ca			21080-0001		by 8	021	4.8	y 30		ont/
Project Manager: Monica Peppin		-	Page	43 of 4 6456	DRO	by 8021	4 4	de b		Lat ect C
Sample ID	Sample Date	Sample Time	Matrix	QTY - Vol/TYPE/Preservative	GRO/DRO	BTEX	TPH by	Chloride by		Lab Number Correct Cont/Prsrv (s) Y/N
W322-32 5-8'	10.9-30-22	07:15	Sony	1402 Jan	X	8	8	8		6
WS22-38 0-4'	9-30-22	09:40	Sout	1402 Jur	X	X	8	r		7
WS22-39 0.5-4'	9-30-22	09:45	Sonil	1 toz Jar	X	X	X	Х		8
WS22-40 0-4'		09:50			1	1	1			9
WS22-41 0-4'		09:55								10
WS22-42 0.6-5'		12:35								11
WS22-43 05-51		12:40								12
WS22-44 0.5-5'		12:45								13
WS22-45 0.5-5'		12150								14
WS22-46 0-5'	K	12:55	$\vee$	$\checkmark$	J	A	J	X		15
Relinquished by: (Signature) Date Time Date Time 10-3-2021 07-30 Relinquished by: (Signature) 10 Date Time	Received	DE NA	(ure)	10-3-22 J. 30 m*	Rece	ived	on lo	Lab Use Onl	lγ	
Relinquisted by: (Senature) 10-302 415	Received	by: (Signa	ture)	10/4/22 11:00 AV	G Te	mp °	c L	1 <sup>2</sup>	Т3_	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		for	le de	Container Type:					nber glass, v - <sup>v</sup>	VOA
**Samples requiring thermal preservation must be received on ice the day Sample(s) dropped off after hours to a secure drop off area.	they are sampled o		acked in ice a f Custody	Mater (Dilling infer				ys. Durango. Direct bill.		
Conviratach										
Analytical Laboratory			ngton, NM 87401 Street, Suite 115, (	Ph (505) 632-0 Jurango, (D 81301 Ph (970) 259-0	_				envir laboratoryssenvir	roliech Inc.com ratech-iec.com

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Received by OCD: 11/8/2022 8:32:26 AM

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Vertex Resource Services Inc. Da	te Received:	10/04/22 11	:00	Work Order ID: E210010
Phone:	(575) 748-0176 Da	te Logged In:	10/04/22 09	:22	Logged In By: Alexa Michaels
Email:		e Date:	10/10/22 17	':00 (4 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match t	he COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: I	<u>UPS</u>
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the	field,	Yes		Comments/Resolution
Samula	i.e, 15 minute hold time, are not included in this disucssion.				
	Turn Around Time (TAT) ne COC indicate standard TAT, or Expedited TAT?		Yes		Project ABO-Coyote 12"" Steel Line has
	· •		168		been split into multiple reports/workorders
_	Coolera sample cooler received?		Yes		
	, was cooler received in good condition?		Yes		due to amount of sample. WO#"s are as
•	he sample(s) received intact, i.e., not broken?				follows: E210009 & E210010
	e custody/security seals present?		Yes		
	e custody/security seals intact?		No		
-	· · ·	(A)	NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample tem	perature: <u>4°</u>	<u>°C</u>		
Sample	Container				
-	aqueous VOC samples present?		No		
15. Are	VOC samples collected in VOA Vials?		NA		
16. Is th	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes		
Field La	abel				
	e field sample labels filled out with the minimum informa	ation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		Yes		
	Preservation		Yes		
	s the COC or field labels indicate the samples were present	rved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved metal	ls?	No		
	nase Sample Matrix		1.0		
	s the sample have more than one phase, i.e., multiphase?		No		
	es, does the COC specify which phase(s) is to be analyzed	19	No NA		
	tract Laboratory		INA		
	samples required to get sent to a subcontract laboratory?		No		
	a subcontract laboratory specified by the client and if so	who?		Subcontract La	h' NA
->. mus	a substantiater nuotratory spectrica by the chefit and it so		11/1 0	subcontract La	0.1111

C

Date

envirotech Inc.

Signature of client authorizing changes to the COC or sample disposition.

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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E210020

Job Number: 21080-0001

Received: 10/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/10/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 C

Page 316 of 377

Project Name: ABO- Coyote 12" Steel Line Workorder: E210020 Date Received: 10/4/2022 6:00:00PM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2022 6:00:00PM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

		Sample Sum	mai y				
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:	ABO- Coyote 12" 21080-0001	Steel Line	Reported:		
Carlsbad NM, 88220		Project Manager:	Monica Peppin		10/10/22 16:39		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
BS22-42 2'	E210020-01A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
BS22-43 2'	E210020-02A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
WS22-33 0-2'	E210020-03A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
WS22-34 0-2'	E210020-04A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
WS22-35 0-2'	E210020-05A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
WS22-36 0-2'	E210020-06A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		
WS22-37 0-2'	E210020-07A	Soil	09/30/22	10/04/22	Glass Jar, 4 oz.		



	5	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Numł Project Mana	ber: 2108	D- Coyote 12" Ste 80-0001 nica Peppin	eel Line		<b>Reported:</b> 10/10/2022 4:39:44PM
		BS22-42 2'				
		E210020-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
p-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	48.3	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	67.0	50.0	1	10/06/22	10/08/22	
Surrogate: n-Nonane		129 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241091
Chloride	39.1	20.0	1	10/06/22	10/08/22	

# Sample Data



# Sample Data

		imple D				
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	Project Number: 21080-0001				Reported:
Carlsbad NM, 88220	Project Manag	er: Mor	nica Peppin			10/10/2022 4:39:44PM
	-	BS22-43 2'				
		E210020-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
p-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2241080
Diesel Range Organics (C10-C28)	77.4	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	110	50.0	1	10/06/22	10/08/22	
Surrogate: n-Nonane		117 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2241091
Chloride	74.7	20.0	1	10/06/22	10/08/22	



# Sample Data

	5	ampic D	ata				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	rive Project Number: 21080-0001					<b>Reported:</b> 10/10/2022 4:39:44PM	
		E210020-03					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241075	
Benzene	ND	0.0250	1	10/05/22	10/08/22		
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22		
oluene	ND	0.0250	1	10/05/22	10/08/22		
-Xylene	ND	0.0250	1	10/05/22	10/08/22		
,m-Xylene	ND	0.0500	1	10/05/22	10/08/22		
otal Xylenes	ND	0.0250	1	10/05/22	10/08/22		
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22		
urrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	10/05/22	10/08/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2241080	
Diesel Range Organics (C10-C28)	36.2	25.0	1	10/06/22	10/08/22		
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22		
urrogate: n-Nonane		123 %	50-200	10/06/22	10/08/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241091	
Chloride	ND	20.0	1	10/06/22	10/08/22		



# Sample Data

	<b>D</b>	ampic D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 12" Ste 80-0001	Reported:		
Carlsbad NM, 88220	Project Manag		nica Peppin			10/10/2022 4:39:44PM
	V	WS22-34 0-2'				
		E210020-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
thylbenzene	ND	0.0250	1	10/05/22	10/08/22	
oluene	ND	0.0250	1	10/05/22	10/08/22	
-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2241080
Diesel Range Organics (C10-C28)	28.1	25.0	1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
Surrogate: n-Nonane		124 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2241091
Chloride	20.1	20.0	1	10/06/22	10/08/22	



# Sample Data

	<b>D</b>	ampic D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	d Drive Project Number: 21080-0001					<b>Reported:</b> 10/10/2022 4:39:44PM
Calisbau INNI, 80220	1 Toject Manaş	ger. With	nea i eppin			10/10/2022 4.59.441 M
	V	VS22-35 0-2'				
		E210020-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Fotal Xylenes	ND	0.0250	1	10/05/22	10/08/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2241080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
urrogate: n-Nonane		119 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2241091
Chloride	22.5	20.0	1	10/06/22	10/08/22	



	3	ample D	ลเล			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name Project Numb		D- Coyote 12" Ste 80-0001		Reported:	
Carlsbad NM, 88220	Project Mana		nica Peppin			10/10/2022 4:39:44PM
	I.	WS22-36 0-2'				
		E210020-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
oluene	ND	0.0250	1	10/05/22	10/08/22	
-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2241075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2241080
Diesel Range Organics (C10-C28)	73.1	25.0	1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	135	50.0	1	10/06/22	10/08/22	
urrogate: n-Nonane		124 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241091
Chloride	ND	20.0	1	10/06/22	10/08/22	



# Sample Data

Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/10/2022 4:39:44PN
	v	VS22-37 0-2'				
		E210020-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
o,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.0 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	43.6	25.0	1	10/06/22	10/08/22	
Dil Range Organics (C28-C36)	51.7	50.0	1	10/06/22	10/08/22	
urrogate: n-Nonane		122 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241091
Chloride	68.6	20.0	1	10/06/22	10/10/22	



# **QC Summary Data**

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	21	BO- Coyote 12 1080-0001 Ionica Peppin	" Steel Li	ne			<b>Reported:</b> 10/10/2022 4:39:44PM
		Volatile O	rganics l	oy EPA 8021	IB				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2241075-BLK1)							Draparad: 1	0/05/22	Analyzed: 10/08/22
· · · ·							i icpaicu. i	0/03/22 7	anaryzeu. 10/08/22
Benzene	ND	0.0250							
Ethylbenzene	ND ND	0.0250							
Toluene o-Xylene	ND ND	0.0250 0.0250							
o-Xylene p,m-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.25	0.0230	8.00		103	70-130			
LCS (2241075-BS1)							Prepared: 1	0/05/22	Analyzed: 10/08/22
Benzene	4.70	0.0250	5.00		94.0	70-130	-		-
Ethylbenzene	3.66	0.0250	5.00		73.2	70-130			
Toluene	3.94	0.0250	5.00		78.7	70-130			
o-Xylene	3.72	0.0250	5.00		74.4	70-130			
p,m-Xylene	7.44	0.0500	10.0		74.4	70-130			
Total Xylenes	11.2	0.0250	15.0		74.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			
LCS Dup (2241075-BSD1)							Prepared: 1	0/05/22	Analyzed: 10/08/22
Benzene	5.08	0.0250	5.00		102	70-130	7.75	20	
Ethylbenzene	3.99	0.0250	5.00		79.7	70-130	8.57	20	
Toluene	4.27	0.0250	5.00		85.4	70-130	8.13	20	
o-Xylene	4.05	0.0250	5.00		80.9	70-130	8.35	20	
p,m-Xylene	8.10	0.0500	10.0		81.0	70-130	8.55	20	
Total Xylenes	12.1	0.0250	15.0		81.0	70-130	8.48	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



# **QC Summary Data**

		<b>X</b> U ~	<b>, u</b>	ary Duc					
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number		ABO- Coyote 1 21080-0001	2" Steel L	ine			Reported:
Carlsbad NM, 88220		Project Manager	r: N	Monica Peppin					10/10/2022 4:39:44PM
	No	nhalogenated	Organics	s by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241075-BLK1)							Prepared:	10/05/22	Analyzed: 10/08/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			
LCS (2241075-BS2)							Prepared:	10/05/22	Analyzed: 10/08/22
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.7	70-130			
LCS Dup (2241075-BSD2)							Prepared:	10/05/22	Analyzed: 10/08/22
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.2	70-130	0.175	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.3	70-130			



# **QC Summary Data**

		QU N		ary Date	•				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	ABO- Coyote 12 21080-0001	2" Steel Li	ine			<b>Reported:</b> 10/10/2022 4:39:44PM
Carisbad NM, 88220		Project Manager:	ľ	Monica Peppin					10/10/2022 4.39.44FM
	Nonh	alogenated Org	anics by	y EPA 8015E	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241080-BLK1)							Prepared: 1	0/06/22 A	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.8		50.0		126	50-200			
LCS (2241080-BS1)							Prepared: 1	0/06/22 A	Analyzed: 10/07/22
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	61.4		50.0		123	50-200			
Matrix Spike (2241080-MS1)				Source:	E210019-	24	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			
Matrix Spike Dup (2241080-MSD1)				Source:	E210019-	24	Prepared: 1	0/06/22 A	Analyzed: 10/08/22
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.0	38-132	5.50	20	
Surrogate: n-Nonane	59.7		50.0		119	50-200			



# **QC Summary Data**

		$\chi \sim \sim$	••••••	, <u> </u>					
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager	,	ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel Li	ne			<b>Reported:</b> 10/10/2022 4:39:44PM
		Anions	by EPA	300.0/90564	1				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2241091-BLK1)							Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride LCS (2241091-BS1)	ND	20.0					Prepared: 1	0/06/22	Analyzed: 10/07/22
Chloride	262	20.0	250	C.	105	90-110	D 11	0.10.6.100	1 1 10/00/22
Matrix Spike (2241091-MS1)				Source:	E210019-	21	Prepared: 1	0/06/22 /	Analyzed: 10/08/22
Chloride	295	20.0	250	31.4	106	80-120			
Matrix Spike Dup (2241091-MSD1)				Source:	E210019-	21	Prepared: 1	0/06/22 /	Analyzed: 10/08/22
Chloride	295	20.0	250	31.4	106	80-120	0.0206	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/10/22 16:39

ND	Analyte NOT DETECTED at or above the reporting limit
1.2	maryte no i bbilbe ibb at of acove are reporting initi

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Vertex (Durango direct b	oill)				RUSH?	Li	ab Use Only	T		An	alysis and Method		lab Only
Project: ABO-Coyote 12" Steel I	ine				1d		Lab WO#			10			N/A
Sampler: L. Pullman					3d		210020	_		0			er V (s)
Phone: 575-361-9880						200	ob Number	8015		0	300.0		/Prsr
Email(s): MPeppin@vertex.ca, p Project Manager: Monica Peppi		rtex.ca			Dag		1 1045	- À	BTEX by 8021	181	by 3		Lab Number Correct Cont/Prsrv (s) Y/N
			1	Sample	Pag		I UND	GRO/DRO	X by	à	Chloride by		rect
Sample ID			Sample Date	Time	Matrix	QTY - Vol/	TYPE/Preservative	GRC	BTE	HdT	Chic		Cor
BS22-42 2'			1	11:30	So:1	140	7. 101	8	X	2	X		1
BS22-43 2'			12-30-D	11:35	Soil	14	07 101	8	X	x	X		2
WS22-33 0-2'			9-30-22	11:00	Sat	14	oz jar	X	8	x	X		3
WS22-34 0-2	1		9-30-22	1			34	ļ	1	1	)		4
WS22-35 0-	1.1		9-30-22		Soil			T	Π				5
WS22-36 0-7	<i>'</i> ,		9-30-22					T	Π				6
WS22-37 000	om 0-:	ζ,	9-30-22			1	V	V	V	V	V		7
Relinquising by: (Signature)	-3-22 (	Time 00-181	Received	by: (Signa	iture)	Date	Time *	*Rece	ived	on lo	N N		
Relinquished by: (Signature)	Date	Time	Received	butstaga		10/4/22	18:00 A	1 VG Te	- mp °	c L	₽ <sup>2</sup>	Т3_	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge,	A - Aqueous, O -	Other		4-6						-	/plastic, ag - amber	glass, v -	VOA
**Samples requiring thermal preservation mu			Internet and the second division of a second second				Non- United and Annual Street of Concession,	°C on su	bsequ	ent da	ys.		
Sample(s) dropped off after hours to a s	ecure drop off ar	ea		Chain o	f Custody	Notes/Billi	ng info: Project ow	ner: Am	ber Gr	oves, C	Jurango. Direct bill.		
Benviro	tec	h	5796 US HI	ghway 64. Farm	origitan, N <i>14</i> #7403	L	Ph (105) 63.	0615 /*	(505) 612	1865	1	-	enter trans an
Analytical			Three Sprin	ups + 65 Merri auto	Sireet Surte 115,	Ourange (0 \$1101	Ph 14701 75	-				tamatory	matical instant

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Vertex Resource Services Inc. Da	ate Received:	10/04/22	18:00	Work Order ID:	E210020
hone:		ate Logged In:	10/04/22		Logged In By:	Alexa Michaels
Email:		ie Date:		17:00 (4 day TAT)	Logged in By.	Altxa Michaels
71						
	f Custody (COC)					
	the sample ID match the COC? the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?	ule COC	Yes	~		
	the COC complete, i.e., signatures, dates/times, requested	l	Yes Yes	Carrier: <u>UPS</u>		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	•	Yes		Comment	s/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		No			
Sample	•					
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
-	he sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?					
•	he sample received on ice? If yes, the recorded temp is 4°C, i.e.		NA Yes			
12 TE	Note: Thermal preservation is not required, if samples are rea minutes of sampling		c			
	visible ice, record the temperature. Actual sample tem	nperature: <u>4</u> -	<u>c</u>			
	<u>Container</u>					
	aqueous VOC samples present?		No NA			
	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La		conceteur	105			
	tield sample labels filled out with the minimum information of the minimum	ation				
	Sample ID?	anon	Yes			
	Date/Time Collected?		Yes			
C	Collectors name?		Yes			
-	Preservation					
	the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved meta	uls?	No			
	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphase?		No			
27. If yes	s, does the COC specify which phase(s) is to be analyzed	d?	NA			
	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	19	NA	Subcontract Lab: NA		

Date



envirotech Inc.

Signature of client authorizing changes to the COC or sample disposition.

•



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

Vertex Resource Services Inc.

Project Name:

ABO- Coyote 12" Steel Line

Work Order: E210167

Job Number: 21080-0001

Received: 10/24/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/28/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/28/22

Monica Peppin 3101 Boyd Drive Carlsbad, NM 88220 P

**Page 334 of 377** 

Project Name: ABO- Coyote 12" Steel Line Workorder: E210167 Date Received: 10/24/2022 9:55:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/24/2022 9:55:00AM, under the Project Name: ABO- Coyote 12" Steel Line.

The analytical test results summarized in this report with the Project Name: ABO- Coyote 12" Steel Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summarv

		Sample Sum			
Vertex Resource Services Inc.		Project Name:	ABO- Coyote 12"	Steel Line	Reported:
3101 Boyd Drive		Project Number:	21080-0001		-
Carlsbad NM, 88220		Project Manager:	Monica Peppin		10/28/22 14:50
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3S22-07 2'	E210167-01A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
3822-13 2'	E210167-02A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
WS22-03 4-8'	E210167-03A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
VS22-13 0-4'	E210167-04A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
VS22-36 0-2'	E210167-05A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
8S22-42 2.5'	E210167-06A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
3S22-43 2.5'	E210167-07A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-60 0.5'	E210167-08A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
8S22-61 0.5'	E210167-09A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-62 0.5'	E210167-10A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-63 0.5'	E210167-11A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-64 0.5'	E210167-12A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-65 0.5'	E210167-13A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-66 0.5'	E210167-14A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
3822-67 0.5'	E210167-15A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-68 0.5'	E210167-16A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
3S22-69 0.5'	E210167-17A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-70 0.5'	E210167-18A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-71 0.5'	E210167-19A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-72 0.5'	E210167-20A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
\$22-73 0.5	E210167-21A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
S22-74 0.5'	E210167-22A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
/S22-49 0-0.5'	E210167-23A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
/822-50 0-0.5'	E210167-24A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
/822-51 0-0.5'	E210167-25A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.
/S22-52 0-0.5'	E210167-26A	Soil	10/19/22	10/24/22	Glass Jar, 4 oz.



	5	ampie D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 210	D- Coyote 12" St 80-0001 nica Peppin	teel Line		<b>Reported:</b> 10/28/2022 2:50:38PM
		BS22-07 2'				
		E210167-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
p,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.9 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		97.8 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2244020
Chloride	ND	20.0	1	10/25/22	10/26/22	

# Sample Data



# Sample Data

	5		ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 210	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/28/2022 2:50:38PM
		BS22-13 2'				
		E210167-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
thylbenzene	ND	0.0250	1	10/24/22	10/25/22	
oluene	ND	0.0250	1	10/24/22	10/25/22	
-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		108 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		77.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
urrogate: n-Nonane		102 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	ND	20.0	1	10/25/22	10/26/22	



## Sample Data

	50	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Mor	ica Peppin			10/28/2022 2:50:38PM
	W	/S22-03 4-8'				
	-	E210167-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
foluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	rg Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		101 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	57.4	20.0	1	10/25/22	10/26/22	



## Sample Data

	25	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	W	VS22-13 0-4				
		E210167-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.5 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	, Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		108 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2244020
Chloride	ND	20.0	1	10/25/22	10/26/22	



# Sample Data

	D.	ampic D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 210	ABO- Coyote 12" Steel Line 21080-0001 Monica Peppin			<b>Reported:</b> 10/28/2022 2:50:38PM
,	5 6	- VS22-36 0-2'				
		E210167-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Foluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		114 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	ND	20.0	1	10/25/22	10/26/22	



# Sample Data

	~					
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste			
3101 Boyd Drive	Project Numbe	er: 210	80-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	F	3822-42 2.5'				
		E210167-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
urrogate: n-Nonane		107 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2244020
Chloride	148	20.0	1	10/25/22	10/26/22	



# Sample Data

	~	ampic D				
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numbe		D- Coyote 12" Ste 80-0001	el Line		Reported:
Carlsbad NM, 88220	Project Manager:		nica Peppin		10/28/2022 2:50:38PM	
	ŀ	3822-43 2.5'				
		E210167-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
o-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		110 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.9 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
urrogate: n-Nonane		101 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2244020
Chloride	36.7	20.0	1	10/25/22	10/26/22	



	5	ampic D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name Project Numb Project Manaş	per: 2108	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/28/2022 2:50:38PM
	]	BS22-60 0.5'				
		E210167-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
oluene	ND	0.0250	1	10/24/22	10/25/22	
-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2244019	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Gurrogate: n-Nonane		99.9 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	52.8	20.0	1	10/25/22	10/26/22	

# Sample Data

	~	ampic D				
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste			
3101 Boyd Drive	Project Numb	er: 2108		Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	]	BS22-61 0.5'				
		E210167-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Fotal Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		102 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	37.3	20.0	1	10/25/22	10/26/22	



# Sample Data

	21	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	F	BS22-62 0.5'				
		E210167-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Fotal Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.1 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		93.9 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2244020
Chloride	83.2	20.0	1	10/25/22	10/26/22	



	Di	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Stee	el Line		
3101 Boyd Drive	Project Number	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	Е	3822-63 0.5'				
		E210167-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
o-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.7 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
urrogate: n-Nonane		98.6 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2244020
Chloride	40.9	40.0	2	10/25/22	10/26/22	



# Sample Data

	50	ampie D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 210	D- Coyote 12" Ste 80-0001 nica Peppin	el Line		<b>Reported:</b> 10/28/2022 2:50:38PM
	E	<b>3</b> 822-64 0.5'				
		E210167-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Fotal Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		78.1 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		101 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	ND	20.0	1	10/25/22	10/26/22	



	50	ample D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" St	eel Line		
3101 Boyd Drive	Project Numbe	er: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manag	er: Mor	ica Peppin			10/28/2022 2:50:38PM
	В	BS22-65 0.5'				
	-	E210167-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.9 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		98.9 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2244020
Chloride	78.1	20.0	1	10/25/22	10/26/22	



# Sample Data

		utu			
Project Name: Project Numbe		2	el Line		Reported:
Project Manag	10/28/2022 2:50:38PM				
E	3S22-66 0.5'				
	E210167-14				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	:: RKS		Batch: 2244016
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0500	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
	106 %	70-130	10/24/22	10/25/22	
mg/kg	mg/kg	Analyst: RKS		Batch: 2244016	
ND	20.0	1	10/24/22	10/25/22	
	80.3 %	70-130	10/24/22	10/25/22	
mg/kg	mg/kg	Analys	t: JL		Batch: 2244019
ND	25.0	1	10/24/22	10/27/22	
ND	50.0	1	10/24/22	10/27/22	
	108 %	50-200	10/24/22	10/27/22	
mg/kg	mg/kg	Analys	:: KL		Batch: 2244020
103	20.0	1	10/25/22	10/26/22	
	Project Name: Project Numbo Project Manage Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         ABC           Project Number:         2108           Project Manager:         Mor           BS22-66 0.5'         E210167-14           BS22-66 0.5'         E210167-14           BS22-66 0.5'         E210167-14           Mark         Limit           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           80.3 %         mg/kg           Mg/kg         Mg/kg           ND         25.0           ND         50.0           ND         50.0           ND         50.0           ND         50.0 <td< td=""><td>Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'         E210167-14         Reporting         Result       Limit       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         Mg/kg       mg/kg       Analyst         MD       25.0       1         ND       25.0       1         ND       50.0       1         ND       50.0       1         ND       50.0       1         N</td><td>Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'       E         BS22-66 0.5'       D         BS22-66 0.5'       D         Result       Dilution       Prepared         MD       0.0250       1       10/24/22         ND       0.0250       1       10/24/22         ND       20.0       1       10/24/22         MD       20.0       1       10/24/22         MD       25.0       1       10/24/22</td><td>Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'         E210167-14         BS22-66 0.5'         E210167-14         Result       Limit       Dilution       Prepared       Analyzed         Mg/kg       mg/kg       Analyst: RKS       V       V         ND       0.0250       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         MD</td></td<>	Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'         E210167-14         Reporting         Result       Limit       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         Mg/kg       mg/kg       Analyst         MD       25.0       1         ND       25.0       1         ND       50.0       1         ND       50.0       1         ND       50.0       1         N	Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'       E         BS22-66 0.5'       D         BS22-66 0.5'       D         Result       Dilution       Prepared         MD       0.0250       1       10/24/22         ND       0.0250       1       10/24/22         ND       20.0       1       10/24/22         MD       20.0       1       10/24/22         MD       25.0       1       10/24/22	Project Name:       ABO- Coyote 12" Steel Line         Project Number:       21080-0001         Project Manager:       Monica Peppin         BS22-66 0.5'         E210167-14         BS22-66 0.5'         E210167-14         Result       Limit       Dilution       Prepared       Analyzed         Mg/kg       mg/kg       Analyst: RKS       V       V         ND       0.0250       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         MD



## Sample Data

	56	imple D	ala			
Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Numbe		D- Coyote 12' 80-0001	' Steel Line		Reported:
Carlsbad NM, 88220	Project Manag	er: Mor	nica Peppin			10/28/2022 2:50:38PM
	В	8822-67 0.5'				
		E210167-15				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
o-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2244016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.9 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		105 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: KL		Batch: 2244020
Chloride	76.5	20.0	1	10/25/22	10/26/22	



	50	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 2108	80-0001	Reported:		
Carlsbad NM, 88220	Project Manage	er: Mor	iica Peppin			10/28/2022 2:50:38PM
	В	S22-68 0.5'				
	]	E210167-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		110 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.8 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	it: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		115 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	40.9	20.0	1	10/25/22	10/26/22	



## Sample Data

25	imple D	ลเล			
Project Name:		•	eel Line		
5					<b>Reported:</b> 10/28/2022 2:50:38PM
Project Manage	er: Mor	lica Peppili			10/28/2022 2.30.38FW
В	8822-69 0.5'				
]	E210167-17				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2244016
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
ND	0.0500	1	10/24/22	10/25/22	
ND	0.0250	1	10/24/22	10/25/22	
	106 %	70-130	10/24/22	10/25/22	
mg/kg	mg/kg	Analyst: RKS			Batch: 2244016
ND	20.0	1	10/24/22	10/25/22	
	83.2 %	70-130	10/24/22	10/25/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2244019
ND	25.0	1	10/24/22	10/27/22	
ND	50.0	1	10/24/22	10/27/22	
	106 %	50-200	10/24/22	10/27/22	
mg/kg	mg/kg	Analy	st: KL		Batch: 2244020
63.6	20.0	1	10/25/22	10/26/22	
	Project Name: Project Numbe Project Manag B Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         ABC           Project Number:         2108           Project Manager:         Mon           BS22-69 0.5'         E210167-17           BS22-69 0.5'         Reporting           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           S3.2 %         Mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0           ND         50.0           ND         50.0           ND         50.0	Project Number:       21080-001         Project Manager:       Monica Peppin         BS22-69 0.5'         E210167-17         Result       Limit       Dilution         Result       Limit       Dilution         mg/kg       mg/kg       Analy         ND       0.0250       1         ND       20.0       1         mg/kg       mg/kg       Analy         ND       20.0       1         ND       20.0       1         ND       25.0       1         ND       50.0       1         ND       50.0       1         ND       50.0       1         ND       50.200       1         Mg/kg       Mg/kg <td< td=""><td>Image: Project Name: 21080-0001         Project Number: 21080-0001         Project Manager: Monica Peppin         BS22-69 0.5'         MD       0.0250       1 0/24/22         ND       0.0250       1 0/24/22         ND       20.0       1 0/24/22         MD       20.0</td><td>Image: ABO- Coyote 12" Steel Line         Project Namee:       21080-0001         Project Manager:       Monica Peppin         BS22-69 0.5'         E210167-17         BS22-69 0.5'         E210167-17         Result       Limit       Dilution       Prepared       Analyzed         Mp/Kg       mg/kg       Analyst: RKS       V       V         ND       0.0250       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       25.0       1</td></td<>	Image: Project Name: 21080-0001         Project Number: 21080-0001         Project Manager: Monica Peppin         BS22-69 0.5'         MD       0.0250       1 0/24/22         ND       0.0250       1 0/24/22         ND       20.0       1 0/24/22         MD       20.0	Image: ABO- Coyote 12" Steel Line         Project Namee:       21080-0001         Project Manager:       Monica Peppin         BS22-69 0.5'         E210167-17         BS22-69 0.5'         E210167-17         Result       Limit       Dilution       Prepared       Analyzed         Mp/Kg       mg/kg       Analyst: RKS       V       V         ND       0.0250       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       20.0       1       10/24/22       10/25/22         ND       25.0       1



# Sample Data

	5	ampic D	ata			
Vertex Resource Services Inc.	Project Name	: ABO	D- Coyote 12" Ste			
3101 Boyd Drive	Project Numb	er: 210	80-0001			Reported:
Carlsbad NM, 88220	Project Mana	10/28/2022 2:50:38PM				
	]	BS22-70 0.5'				
		E210167-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.1 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	29.8	25.0	1	10/24/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		104 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2244020
Chloride	29.8	20.0	1	10/25/22	10/26/22	



## Sample Data

	50	ample D	ala			
Vertex Resource Services Inc.	Project Name:		D- Coyote 12" St	teel Line		
3101 Boyd Drive	Project Numbe		30-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Mor	iica Peppin			10/28/2022 2:50:38PM
	В	BS22-71 0.5'				
		E210167-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
o-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.1 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
Surrogate: n-Nonane		106 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2244020
Chloride	105	20.0	1	10/25/22	10/26/22	



# Sample Data

	29	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	r: 2108	30-0001	Reported:		
Carlsbad NM, 88220	Project Manage	er: Mor	iica Peppin			10/28/2022 2:50:38PM
	В	S22-72 0.5'				
	1	E210167-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244016
Benzene	ND	0.0250	1	10/24/22	10/25/22	
thylbenzene	ND	0.0250	1	10/24/22	10/25/22	
oluene	ND	0.0250	1	10/24/22	10/25/22	
-Xylene	ND	0.0250	1	10/24/22	10/25/22	
,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
otal Xylenes	ND	0.0250	1	10/24/22	10/25/22	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2244016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2244019
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/27/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/27/22	
urrogate: n-Nonane		105 %	50-200	10/24/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244020
Chloride	46.5	20.0				



# Sample Data

	25	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	er: 210	80-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	В	3822-73 0.5'				
	-	E210167-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244008
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Fotal Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2244018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/25/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/25/22	
Surrogate: n-Nonane		93.6 %	50-200	10/24/22	10/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244017
Chloride	25.8	20.0	1	10/24/22	10/26/22	



# Sample Data

	54	imple D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	r: 2108	D- Coyote 12" Ste 80-0001 iica Peppin	el Line		<b>Reported:</b> 10/28/2022 2:50:38PM
	B	S22-74 0.5'				
	]	E210167-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244008
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
o-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2244018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/25/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/25/22	
Surrogate: n-Nonane		101 %	50-200	10/24/22	10/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244017
Chloride	58.1	20.0	1	10/24/22	10/26/22	



		ample D	ata			
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 210	D- Coyote 12" Ste 30-0001 nica Peppin	el Line		<b>Reported:</b> 10/28/2022 2:50:38PM
	W	S22-49 0-0.5	; <b>·</b>			
	-	E210167-23				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2244008
Benzene	ND	0.0250	1	10/24/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/25/22	
Toluene	ND	0.0250	1	10/24/22	10/25/22	
p-Xylene	ND	0.0250	1	10/24/22	10/25/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/25/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2244008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	10/24/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2244018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/25/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/25/22	
Surrogate: n-Nonane		101 %	50-200	10/24/22	10/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244017
Chloride	111	20.0	1	10/24/22	10/26/22	



	25	imple D	ala			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" Ste	el Line		
3101 Boyd Drive	Project Numbe	r: 210		Reported:		
Carlsbad NM, 88220	Project Manage	er: Mor	ica Peppin			10/28/2022 2:50:38PM
	W	822-50 0-0.5	•			
	]	E210167-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analys	t: IY		Batch: 2244008
Benzene	ND	0.0250	1	10/24/22	10/26/22	
thylbenzene	ND	0.0250	1	10/24/22	10/26/22	
oluene	ND	0.0250	1	10/24/22	10/26/22	
-Xylene	ND	0.0250	1	10/24/22	10/26/22	
,m-Xylene	ND	0.0500	1	10/24/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/26/22	
urrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/24/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2244008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/26/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	10/24/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2244018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/25/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/25/22	
urrogate: n-Nonane		96.1 %	50-200	10/24/22	10/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2244017
Chloride	380	20.0	1	10/24/22	10/26/22	



	Di	ample D	ลเล			
Vertex Resource Services Inc.	Project Name:	ABO	D- Coyote 12" St	eel Line		
3101 Boyd Drive	Project Numbe	er: 210		Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mor	nica Peppin			10/28/2022 2:50:38PM
	W	S22-51 0-0.5	;'			
		E210167-25				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2244008
Benzene	ND	0.0250	1	10/24/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/24/22	10/26/22	
Toluene	ND	0.0250	1	10/24/22	10/26/22	
o-Xylene	ND	0.0250	1	10/24/22	10/26/22	
o,m-Xylene	ND	0.0500	1	10/24/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/24/22	10/26/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/24/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2244008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/22	10/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/24/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2244018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/22	10/25/22	
Dil Range Organics (C28-C36)	ND	50.0	1	10/24/22	10/25/22	
urrogate: n-Nonane		93.0 %	50-200	10/24/22	10/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2244017
Chloride	88.7	20.0	1	10/24/22	10/26/22	



Project N	le	
Project N	Reported	1:
Project N	10/28/2022 2:5	0:38PM
Resul	Prepared Analyzed Notes	
B mg/k	Batch: 224400	)8
ND	10/24/22 10/25/22	
ND	0/24/22 10/25/22	
ND	10/24/22 10/25/22	
ND	10/24/22 10/25/22	
ND	10/24/22 10/25/22	
ND	10/24/22 10/25/22	
	10/24/22 10/25/22	
PA 8015D - GRO mg/kg	Batch: 224400	)8
ND	0/24/22 10/25/22	
)	10/24/22 10/25/22	
PA 8015D - DRO/ORO mg/kg	Batch: 224401	8
ND	0/24/22 10/25/22	
ND	10/24/22 10/25/22	
	10/24/22 10/25/22	
mg/k	Batch: 224401	7
ND	10/24/22 10/26/22	
	Batch: 22	4401



# **QC Summary Data**

	¥ 0 00		=					
	Project Name:		-	2" Steel Li	ne			Reported:
	Project Manager:	N	Ionica Peppin					10/28/2022 2:50:38PM
	Volatile O			Analyst: RKS				
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	0/24/22 A	analyzed: 10/24/22
ND	0.0250							
ND								
8.47	0.0230	8.00		106	70-130			
						Prepared: 1	0/24/22 A	analyzed: 10/24/22
5.20	0.0250	5.00		104	70-130			
5.30				106	70-130			
5.31				106	70-130			
				104	70-130			
15.7		15.0		105	70-130			
8.48		8.00		106	70-130			
			Source:	E210163-(	01	Prepared: 1	0/24/22 A	analyzed: 10/24/22
5.34	0.0250	5.00	ND	107	54-133			
5.29		5.00	ND	106	61-133			
5.45	0.0250	5.00	ND	109	61-130			
5.44	0.0250	5.00	ND	109	63-131			
10.7	0.0500	10.0	ND	107	63-131			
16.1	0.0250	15.0	ND	108	63-131			
8.41		8.00		105	70-130			
			Source:	E210163-(	01	Prepared: 1	0/24/22 A	analyzed: 10/25/22
4.98	0.0250	5.00	ND	99.6	54-133	7.07	20	
4.99	0.0250	5.00	ND	99.8	61-133	5.84	20	
1.55					61-130	6.40	20	
5.11	0.0250	5.00	ND	102	01-130	6.49	20	
		5.00 5.00	ND ND	102 103	63-131	5.77	20	
5.11	0.0250							
5.11 5.14	0.0250 0.0250	5.00	ND	103	63-131	5.77	20	
	ND ND ND ND ND ND S.47 5.20 5.15 5.30 5.31 10.4 15.7 8.48 5.34 5.29 5.45 5.44 10.7 16.1 8.41 4.98	Project Name: Project Number: Project Manager:           Volatile O           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           S.20         0.0250           5.15         0.0250           5.30         0.0250           5.31         0.0250           5.34         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           5.44         0.0250           8.41         0.0250	Project Name:         A           Project Number:         2           Project Manager:         M           Volatile Organics         Spike           Result         Reporting         Spike           mg/kg         mg/kg         mg/kg           ND         0.0250           S.20         0.0250         5.00           S.31         0.0250         5.00           S.31         0.0250         5.00           S.34         0.0250         5.00           S.34         0.0250         5.00           S.34         0.0250         5.00           S.34         0.0250         5.00           S.44         0.0250         5.00           S.44         0.0250         5.00           S.41	L         ABO- Coyote I           Project Name:         21080-0001           Project Manager:         Monica Peppin           Volatile Organics by EPA 802           Result         Reporting         Spike         Source           Result         mg/kg         mg/kg         mg/kg           ND         0.0250         ND         0.0250           ND         0.0250         S.00         S.00           S.20         0.0250         S.00         S.00           S.31         0.0250         S.00         S.00           S.33         0.0250         S.00         S.00           S.34         0.0250         S.00         ND           S.34         0.0250         S.00         ND           S.34         0.0250         S.00         ND           S.34         0.0250         S.00         ND	Project Name:         ABO- Coyote 12" Steel Li           Project Number:         21080-0001           Project Manager:         Monica Peppin           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250           ND         0.0250         106           S.20         0.0250         106           S.31         0.0250         106           S.33         0.0250         106           S.34         0.0250         106           S.34         0.0250         105           S.44         5.00         107           S.34         0.0250         5.00         107           S.43         0.0250         5.00         ND         107           S.44         0.0250         5.00         ND         107           S.34         0.0250         5.00         ND         106           S.48         8.00         ND         109           S.44         0.0250	Project Name: Project Number: Project Manager:         ABO- Coyote 12" Steel Line 21080-0001 Monica Peppin           Volatile Organics by EPA 8021B         Rec         Rec           Result         Reporting Imit         Spike Level         Source Result         Rec         Rec           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         Volatile Organics by EPA 8021B           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         ng/kg         mg/kg         %         %           S20         0.0250         5.00         104         70-130           S.20         0.0250         5.00         106         70-130           S.31         0.0250         5.00         106         70-130           S.31         0.0250         5.00         106         70-130           S.48         8.00         106         70-130           S.48         8.00         106         70-130           S.31         0.0250         5.00         105         70-130           S.48         8.00         106         61-133           S.44 </td <td>Project Name: Project Number:         ABO- Coyote 12" Steel Line 21080-0001 Project Manager:         ABO- Coyote 12" Steel Line 21080-0001 Project Manager:           Volatile Organics by EPA 8021B         Volatile Organics by EPA 8021B           Result mg/kg         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD %           ND         0.0250 ND         0.0250 ND         mg/kg         mg/kg         %         %         %         %           8.47         8.00         106         70-130         Prepared: 1           5.15         0.0250 ND         5.00         104         70-130           5.15         0.0250         5.00         106         70-130           5.31         0.0250         5.00         106         70-130           5.33         0.0250         5.00         106         70-130           5.34         0.0250         5.00         106         70-130           8.48         8.00         106         70-130         Prepared: 1           5.34         0.0250         5.00         ND         107         54-133           5.44         0.0250         5.00         ND         109         61-133           5.44<td>Project Name:         ABO- Coyote 12" Steel Line Project Number:         21080-0001 Project Manager:         Reputic Project Manager:         Monica Peppin           Volatile Organics by EPA 8021B         Source         Rec         Rimits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ng/kg         mg/kg         %         %         %         %           ND         0.0250         nd         106         70-130         Prepared: 10/24/22         A           8.47         8.00         106         70-130         Prepared: 10/24/22         A           5.10         0.0250         5.00         104         70-130         Prepared: 10/24/22         A           5.20         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.31         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         ND         106         61-133         Prepared: 10/24/</td></td>	Project Name: Project Number:         ABO- Coyote 12" Steel Line 21080-0001 Project Manager:         ABO- Coyote 12" Steel Line 21080-0001 Project Manager:           Volatile Organics by EPA 8021B         Volatile Organics by EPA 8021B           Result mg/kg         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD %           ND         0.0250 ND         0.0250 ND         mg/kg         mg/kg         %         %         %         %           8.47         8.00         106         70-130         Prepared: 1           5.15         0.0250 ND         5.00         104         70-130           5.15         0.0250         5.00         106         70-130           5.31         0.0250         5.00         106         70-130           5.33         0.0250         5.00         106         70-130           5.34         0.0250         5.00         106         70-130           8.48         8.00         106         70-130         Prepared: 1           5.34         0.0250         5.00         ND         107         54-133           5.44         0.0250         5.00         ND         109         61-133           5.44 <td>Project Name:         ABO- Coyote 12" Steel Line Project Number:         21080-0001 Project Manager:         Reputic Project Manager:         Monica Peppin           Volatile Organics by EPA 8021B         Source         Rec         Rimits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ng/kg         mg/kg         %         %         %         %           ND         0.0250         nd         106         70-130         Prepared: 10/24/22         A           8.47         8.00         106         70-130         Prepared: 10/24/22         A           5.10         0.0250         5.00         104         70-130         Prepared: 10/24/22         A           5.20         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.31         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         ND         106         61-133         Prepared: 10/24/</td>	Project Name:         ABO- Coyote 12" Steel Line Project Number:         21080-0001 Project Manager:         Reputic Project Manager:         Monica Peppin           Volatile Organics by EPA 8021B         Source         Rec         Rimits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ng/kg         mg/kg         %         %         %         %           ND         0.0250         nd         106         70-130         Prepared: 10/24/22         A           8.47         8.00         106         70-130         Prepared: 10/24/22         A           5.10         0.0250         5.00         104         70-130         Prepared: 10/24/22         A           5.20         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.31         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         106         70-130         Prepared: 10/24/22         A           5.34         0.0250         5.00         ND         106         61-133         Prepared: 10/24/



# **QC Summary Data**

		<u><u><u>v</u></u><u>v</u><u>v</u></u>							
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		BO- Coyote 1 1080-0001	2" Steel Li	ine			Reported:
Carlsbad NM, 88220		Project Manager:	Μ	Ionica Peppin					10/28/2022 2:50:38PM
		Volatile O			Analyst: RKS				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2244016-BLK1)							Prepared: 1	0/24/22	Analyzed: 10/25/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.26	0.0250	8.00		103	70-130			
LCS (2244016-BS1)							Prepared: 1	0/24/22	Analyzed: 10/25/22
Benzene	5.75	0.0250	5.00		115	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.61	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			
Matrix Spike (2244016-MS1)				Source:	E210167-	03	Prepared: 1	0/24/22	Analyzed: 10/25/22
Benzene	5.86	0.0250	5.00	ND	117	54-133			
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.50		8.00		106	70-130			
Matrix Spike Dup (2244016-MSD1)				Source:	E210167-	03	Prepared: 1	0/24/22	Analyzed: 10/25/22
Benzene	5.42	0.0250	5.00	ND	108	54-133	7.76	20	
Ethylbenzene	4.29	0.0250	5.00	ND	85.8	61-133	7.61	20	
Toluene	4.60	0.0250	5.00	ND	91.9	61-130	7.67	20	
		0.0250	5.00	ND	87.7	63-131	8.00	20	
o-Xylene	4.38	0.0230	5.00	1.05	07.7				
o-Xylene p,m-Xylene	4.38 8.71	0.0230	10.0	ND	87.1	63-131	7.46	20	
•							7.46 7.64	20 20	



### **QC Summary Data**

		QU D	u	iny Data					
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		BO- Coyote 1 1080-0001	2" Steel Li	ne			Reported:
Carlsbad NM, 88220		Project Manager	: N	Ionica Peppin					10/28/2022 2:50:38PM
	Nor	nhalogenated (	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2244008-BLK1)							Prepared: 1	10/24/22	Analyzed: 10/24/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			
LCS (2244008-BS2)							Prepared:	10/24/22	Analyzed: 10/24/22
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			
Matrix Spike (2244008-MS2)				Source:	E210163-0	01	Prepared:	10/24/22	Analyzed: 10/24/22
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			
Matrix Spike Dup (2244008-MSD2)				Source:	E210163-0	01	Prepared:	10/24/22	Analyzed: 10/24/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130	1.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			



### **QC Summary Data**

		$\mathbf{x} \mathbf{v} \mathbf{v}$		ary Date	•				
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		BO- Coyote 12 1080-0001	2" Steel Li	ine			Reported:
Carlsbad NM, 88220		Project Manager:	Ν	Ionica Peppin					10/28/2022 2:50:38PM
	Noi	nhalogenated O	rganics	by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2244016-BLK1)							Prepared: 1	0/24/22 A	Analyzed: 10/25/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.77		8.00		84.6	70-130			
LCS (2244016-BS2)							Prepared: 1	0/24/22 A	Analyzed: 10/25/22
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			
Matrix Spike (2244016-MS2)				Source: l	E210167-	03	Prepared: 1	0/24/22 A	Analyzed: 10/25/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.2	70-130			
Matrix Spike Dup (2244016-MSD2)				Source: l	E210167-	03	Prepared: 1	0/24/22 A	Analyzed: 10/25/22
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130	4.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.45		8.00		80.6	70-130			



### **QC Summary Data**

		QC D		ary Data					
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	ABO- Coyote 12 21080-0001 Monica Peppin	" Steel L	ine			<b>Reported:</b> 10/28/2022 2:50:38PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2244018-BLK1)							Prepared:	10/24/22	Analyzed: 10/25/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			
LCS (2244018-BS1)							Prepared:	10/24/22	Analyzed: 10/25/22
Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2244018-MS1)				Source: I	E <b>210166</b> -	02	Prepared:	10/24/22	Analyzed: 10/25/22
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	42.0		50.0		83.9	50-200			
Matrix Spike Dup (2244018-MSD1)				Source: I	E210166-	02	Prepared:	10/24/22	Analyzed: 10/25/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	0.896	20	
Surrogate: n-Nonane	51.4		50.0		103	50-200			



### **QC Summary Data**

		$\mathbf{v} \in \mathcal{S}$		ary Data	•				
Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	ABO- Coyote 12 1080-0001 Aonica Peppin	2" Steel Li	ine			<b>Reported:</b> 10/28/2022 2:50:38PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2244019-BLK1)							Prepared:	10/24/22	Analyzed: 10/27/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
LCS (2244019-BS1)							Prepared:	10/24/22	Analyzed: 10/27/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	49.2		50.0		98.5	50-200			
Matrix Spike (2244019-MS1)				Source:	E210167-	03	Prepared:	10/24/22	Analyzed: 10/27/22
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	43.3		50.0		86.5	50-200			
Matrix Spike Dup (2244019-MSD1)				Source:	E210167-	03	Prepared:	10/24/22	Analyzed: 10/27/22
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	8.43	20	
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			



# **QC Summary Data**

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager	-	ABO- Coyote 1 21080-0001 Monica Peppin	2" Steel L	ine			<b>Reported:</b> 10/28/2022 2:50:38PM
		Anions	by EPA	300.0/9056A	<b>\</b>				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2244017-BLK1)							Prepared: 10	0/24/22	Analyzed: 10/26/22
Chloride	ND	20.0							
LCS (2244017-BS1)							Prepared: 10	0/24/22	Analyzed: 10/26/22
Chloride	269	20.0	250		108	90-110			
LCS Dup (2244017-BSD1)							Prepared: 10	0/24/22	Analyzed: 10/26/22
Chloride	249	20.0	250		99.4	90-110	7.96	20	



## **QC Summary Data**

				v					
Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		ABO- Coyote 1 21080-0001	2" Steel L	ine			Reported:
Carlsbad NM, 88220		Project Manager		Monica Peppin					10/28/2022 2:50:38PM
Culloud 1, 00220				<b>300.0/9056</b>	۸				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2244020-BLK1)							Prepared: 10	0/25/22	Analyzed: 10/26/22
Chloride	ND	20.0							
LCS (2244020-BS1)							Prepared: 10	0/25/22	Analyzed: 10/26/22
Chloride	247	20.0	250		99.0	90-110			
LCS Dup (2244020-BSD1)							Prepared: 10	0/25/22	Analyzed: 10/26/22
Chloride	248	20.0	250		99.0	90-110	0.0659	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Vertex Resource Services Inc.	Project Name:	ABO- Coyote 12" Steel Line	
3101 Boyd Drive	Project Number:	21080-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Monica Peppin	10/28/22 14:50

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



client: Vertex (Duray	nyo direct	6:11)		RUSH?	L	ab Use Only		_	An	alysis	and Method	1	lab Only
Project: ABO- Coyote	12" Steel lin	ne		1d	1-	Lab WO#							N/X
Sampler: M. Wier				3d		210167							v (s)
Phone: 575-361-9880						ob Number	by 8015		1	300.0			/Prsr
Email(s): Meppin @ Vertex. Project Manager: M. K. pepp	Ca			Dee		1000-081	- Ad C	BTEX by 8021	TPH by 418.1	No No			Lab Number Correct Cont/Prsrv (s) Y/N
	in	1	Sample	Pag		<u>s</u>	GRO/DRO	X by	by 4	Chloride			La rect (
Sample ID		Sample Di	ate Time	Matrix	QTY - Vol/	TYPE/Preservative	GRC	BTE	HdT	Chlo			Cor
BS22-07	2,	10-19-	22 09:30	Soil	1 401	Jar	K	x	X	x			1
B522-13	2'	10-19-	22 09:40			]	1	4	4	1			2
WS22-03	4-8		09:50										3
WS22-13	0-41		10:00								_	L	+
1850-WS22-36	0-2'		10:10									5	õ
B522-42	2.5'		11:15			_						(	0
B522-43	2.5'		12:15									1	7
B322-60	0.5'		10:20									8	8
BS22-61	0.5'		10:30									C	7
B522-62	0.5'		10:40		J		1	1	1	1	-	L	0
Relinquished by: (Signature)	Date Time	Rece	ived by: (Signa	type)	10 Date 2	Time H3.UU *:	Recei	ved	on lo	La	b Use Only / N		
Relinduished by: (Signature)	Date	Car	ived by: (Signa	tite)	10/24/22	are T:	l VG Ter	-		T2		Т3	_
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge,					1.4.1.1.1.1	Container Type:	7				tic, <mark>ag</mark> - ambei	glass, v - V	OA
**Samples requiring thermal preservation mu Sample(s) dropped off after hours to a s		they are samp		acked in ice f Custody			C on sul	oseque	ent dav	ys.			
sample(s) gropped off after hours to a s	ecure drop on area.		Criain O	custouy	in the start st								
Benviro	tech		635 Highway 64, Farm ee Springs + 65 Mercado		Burney (0.31)at	Ph (505) 632							ech inc.com
Analytical	Laboratory	The	0.000000000000000	e 41 of 44	and a state of the	Ph (970) 259	0015 FF ()	500) 362-	-18/9			laboratory envirote	ech-inc.com

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Received by OCD: 11/8/2022 8:32:26 AM

Client: Vertex (Durar	no direct b	211:		RUSH?	L	ab Use Only			An	alysis	and Method	1	lab	Only
Project: Abo- (ayote	D" Steel 1	ine		1d		Lab WO#								N/
Sampler: M. Wier	10			3d	PEZ	210107								(s)
Phone: 575-361-9880					J	ob Number	015			0.0			Lab Number	rsrv
Email(s): M Pepain @ V/A	ter Ca				210	80-0001	V 8(	21	1.	300.0			Nun	nt/P
Email(s): M. Peppin @ Ver Project Manager: M. Peppi	n n			Pag		3	108	V 80	418	e by			Lab	t Col
Sample ID		Sample Date	Sample Time	Matrix	and the second second second	ontainers TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by				Correct Cont/Prsrv (s) Y/N
Bs22-63	0.5'	10-19-22	10:50	50:1	1 40;	z Jar	X	X	x	X			11	
BS22-64	0.5'		11:00	1		1	1	1	1	1			12	
BS22-65	0.5'		11:20										13	
BS22-66	0.5'		11:30		4								14	
BS22-67	0.5'		11:40										15	
BS22-68	0.5		11:50										16	
BS22-69	0.5'		12:00										17	
B522-70	0.51		12:10										18	
B522-71	0.5'		12:20										19	
BS22-72	0.5'	Im	12:30	L	1	L	1						20	
Relinguished by: (Signature)	Date Time	Received	høy: (Signat	ture)	Date	+ 3. M	**Rece	ived	on lo	-	b Use Only N			
Relinquished by: (Signature)		Carl	the (Signal	ht	10/24/22	no	T1 AVG Te	- mp °	c 4	T2_	_	Т3_	-	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge,						Container Type		_		_	tic, ag - amb	er glass, v -	VOA	
**Samples requiring thermal preservation mu		hey are sampled o					6 °C on su	ubsequ	ent da	ys.				
Sample(s) dropped off after hours to a s	ecure drop off area.		Chain of	Custody	/ Notes/Billi	ing info:								
Benviro	tech		iqhway 64, Farmir	-	Duranijo, (1) 81301		32-0615 Fx 59-0615 Fr					the second second	virotech ü	
Analytical	Laboratory	Three yph		e 42 of 44		840 (970) Z	14.0012 11	10001 167	-10/9			lationatory in	maneta (	ic tour

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Received by OCD: 11/8/2022 8:32:26 AM

ango direct	6:11)		RUSH?		Lab Use Only			Ana	lysis an	d Method	lab	Onl
1)"Steel line	0		1d 3d	VE.	Lab WO# 210167							1-1 VINI
Sampler: M. Wier Phone: 575-361-9880					Job Number				0.0		mbei	Dren
rtex, Ca			Bag			o by 8	8021	18.1	by 30		ab Nu	Contl
	Sample Date	Sample Time	Matrix	(	Containers	GRO/DR	BTEX by	TPH by 4	Chloride			Correct Cont/Brees (c) V/N
0.5'	10-19-2;	12:40	Soil	1 1	loz Jar	X	x	x	x		21	
0.5'		12:50	1		1	1	1	1	1		22	
0-0.5'		13:00							1		23	
0-0.5 '		13:10									24	
0-0.5'		13:20									25	
0-0.5'		13:30	1			1	1	1	1		26	
						_			_			
Date Time	Received	by: (Signat		Date 1))))]?]	Time 30)	**Recei	ved	on lc				
Date Time	Received	by: pignat		10/04/22	9:55	T1 AVG Ter	- mp°	c_4	T2	-	Т3	
		- resilved as	akad in iso a	t an aug tama			_	_		ag - amber g	glass, v - VOA	
	iey are sampled o					io consu	oseque	ant day	3.			-
tech										-		mt.(a
	$80$ $r \pm ex$ , $Ca$ $p.n$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0-0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ $0.5^{1}$ <td>rtex, Ca         p.n         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51</td> <td>80         rtex, Ca         p.n         Sample Date       Sample Time         0.5<sup>1</sup>       10-19-22       12:40         0.5<sup>1</sup>       10-19-22       12:40         0.5<sup>1</sup>       10-19-22       12:40         0.5<sup>1</sup>       12:50       12:50         0-0.5<sup>1</sup>       13:00       0-0.5<sup>1</sup>       13:20         0-0.5<sup>1</sup>       13:20       0-0.5<sup>1</sup>       13:20         0-0.5<sup>1</sup>       13:20       13:20       13:20         Date       Time       Received by: (Signate the date the date</td> <td>80         rtex, Ca         p.m         Page         0.5<sup>1</sup>         0.0.5<sup>1</sup>         0.0.5<sup>1</sup>         13:30         0.0.5<sup>1</sup>         13:30         0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         0.0.0.5<sup>1</sup>         13:30         0.0.0.5<sup>1</sup>         0.0.0.5<sup>1</sup>         0.0.0.5<sup>1</sup> <!--</td--><td>80       210         rt.ey. Ca       210         p.m       Page       3 of         0       Sample Date       Sample         Time       Matrix       QTY-Vol         0.51       10-19-2       12:40         0.51       10-19-2       12:40         0.51       12:50       1         0.51       12:50       1         0-0.51       13:50       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       10.00       10.00         0-0.51       10.00       1         0-0.51       10.00       1         0-0.51       10.00       1         0.00       10.00       1         0.00       10.00       1      &lt;</td><td>80       Job Number         74.24, Ca       Page       3 of 3         p.n       Page       3 of 3         0.51       10-19-2;       12:40       50;1       1       4 oz       Jor         0.55       12:50       1       10-0       2       Jor       Jor         0-0.51       13:20       1       10-0       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       10       Jor       &lt;</td><td>80       Jad       Jad       Jac       Job Number         71.05 Normber       21080-0001       Jab       &lt;</td><td>80       Job Number       Job Number         10b Number       Job Number       Job Number         0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:50       ID-10       ID-10       ID-10         0.0.5'       ID-19-21       13:30       ID-10       ID-10       ID-10       ID-10         Date       Time r       HozeNet Muther       ID-10       ID-10       ID-10       ID-10&lt;</td><td>80       3d       P 22 1010 P         rt_ext, Ca       Page       3 of 3       go 3&lt;</td><td>80       Job Number       Job Number       100 Number         21080 - 0001       90 000 000       90 000 000       90 000 000       90 000 000         p.m       Page       3 of 3       9 of 3       90 000 000       90 000 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 00000       90 0000       90 00</td><td>80       9       C2       Job Number       900 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100</td><td>80      </td></td>	rtex, Ca         p.n         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51         0.51	80         rtex, Ca         p.n         Sample Date       Sample Time         0.5 <sup>1</sup> 10-19-22       12:40         0.5 <sup>1</sup> 10-19-22       12:40         0.5 <sup>1</sup> 10-19-22       12:40         0.5 <sup>1</sup> 12:50       12:50         0-0.5 <sup>1</sup> 13:00       0-0.5 <sup>1</sup> 13:20         0-0.5 <sup>1</sup> 13:20       0-0.5 <sup>1</sup> 13:20         0-0.5 <sup>1</sup> 13:20       13:20       13:20         Date       Time       Received by: (Signate the date	80         rtex, Ca         p.m         Page         0.5 <sup>1</sup> 0.0.5 <sup>1</sup> 0.0.5 <sup>1</sup> 13:30         0.0.5 <sup>1</sup> 13:30         0.0.5 <sup>1</sup> 13:30         0.0.0.5 <sup>1</sup> 0.0.0.5 <sup>1</sup> 13:30         0.0.0.5 <sup>1</sup> 0.0.0.5 <sup>1</sup> 0.0.0.5 <sup>1</sup> </td <td>80       210         rt.ey. Ca       210         p.m       Page       3 of         0       Sample Date       Sample         Time       Matrix       QTY-Vol         0.51       10-19-2       12:40         0.51       10-19-2       12:40         0.51       12:50       1         0.51       12:50       1         0-0.51       13:50       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       10.00       10.00         0-0.51       10.00       1         0-0.51       10.00       1         0-0.51       10.00       1         0.00       10.00       1         0.00       10.00       1      &lt;</td> <td>80       Job Number         74.24, Ca       Page       3 of 3         p.n       Page       3 of 3         0.51       10-19-2;       12:40       50;1       1       4 oz       Jor         0.55       12:50       1       10-0       2       Jor       Jor         0-0.51       13:20       1       10-0       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       10       Jor       &lt;</td> <td>80       Jad       Jad       Jac       Job Number         71.05 Normber       21080-0001       Jab       &lt;</td> <td>80       Job Number       Job Number         10b Number       Job Number       Job Number         0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:50       ID-10       ID-10       ID-10         0.0.5'       ID-19-21       13:30       ID-10       ID-10       ID-10       ID-10         Date       Time r       HozeNet Muther       ID-10       ID-10       ID-10       ID-10&lt;</td> <td>80       3d       P 22 1010 P         rt_ext, Ca       Page       3 of 3       go 3&lt;</td> <td>80       Job Number       Job Number       100 Number         21080 - 0001       90 000 000       90 000 000       90 000 000       90 000 000         p.m       Page       3 of 3       9 of 3       90 000 000       90 000 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 00000       90 0000       90 00</td> <td>80       9       C2       Job Number       900 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100</td> <td>80      </td>	80       210         rt.ey. Ca       210         p.m       Page       3 of         0       Sample Date       Sample         Time       Matrix       QTY-Vol         0.51       10-19-2       12:40         0.51       10-19-2       12:40         0.51       12:50       1         0.51       12:50       1         0-0.51       13:50       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       13:30       1         0-0.51       10.00       10.00         0-0.51       10.00       1         0-0.51       10.00       1         0-0.51       10.00       1         0.00       10.00       1         0.00       10.00       1      <	80       Job Number         74.24, Ca       Page       3 of 3         p.n       Page       3 of 3         0.51       10-19-2;       12:40       50;1       1       4 oz       Jor         0.55       12:50       1       10-0       2       Jor       Jor         0-0.51       13:20       1       10-0       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-0.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       13:30       1       Jor       Jor       Jor       Jor         0-10.51       10       Jor       <	80       Jad       Jad       Jac       Job Number         71.05 Normber       21080-0001       Jab       <	80       Job Number       Job Number         10b Number       Job Number       Job Number         0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:40       Soil I       Hozz Jar       K         0.0.5'       ID-19-21       12:50       ID-10       ID-10       ID-10         0.0.5'       ID-19-21       13:30       ID-10       ID-10       ID-10       ID-10         Date       Time r       HozeNet Muther       ID-10       ID-10       ID-10       ID-10<	80       3d       P 22 1010 P         rt_ext, Ca       Page       3 of 3       go 3<	80       Job Number       Job Number       100 Number         21080 - 0001       90 000 000       90 000 000       90 000 000       90 000 000         p.m       Page       3 of 3       9 of 3       90 000 000       90 000 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 000       90 00000       90 0000       90 00	80       9       C2       Job Number       900 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100 (0)       100	80

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Received by OCD: 11/8/2022 8:32:26 AM

### **Envirotech Analytical Laboratory**

tructions: Please take note of any NO checkmarks.	Sample	Receipt	Checklist (SRC)		
re receive no response concerning these items within 24 hours of the dat	e of this noti	ce, all the	samples will be analyzed as	requested.	
Client: Vertex Resource Services Inc. Date	Received:	10/24/22	09:55	Work Order ID:	E210167
Phone: (575) 748-0176 Date	Logged In:	10/24/22	10:38	Logged In By:	Alexa Michaels
Email: mpeppin@vertex.ca Due I	Date:	10/28/22	2 17:00 (4 day TAT)		
Chain of Custody (COC)					
. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location match the	e COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: UPS		
4. Was the COC complete, i.e., signatures, dates/times, requested ar	alyses?	Yes			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the fit	eld,	Yes		Commen	ts/Resolution
i.e, 15 minute hold time, are not included in this disucssion.				<u>commen</u>	13/ McSolution
Sample Turn Around Time (TAT)		V			
5. Did the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample Cooler		V			
7. Was a sample cooler received?		Yes			
B. If yes, was cooler received in good condition?		Yes			
D. Was the sample(s) received intact, i.e., not broken?		Yes			
0. Were custody/security seals present?		No			
1. If yes, were custody/security seals intact?		NA			
<ul> <li>2. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6° Note: Thermal preservation is not required, if samples are receive minutes of sampling</li> <li>3. If no visible ice, record the temperature. Actual sample temperature.</li> </ul>	ved w/i 15	Yes			
Sample Container		-			
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
6. Is the head space less than 6-8 mm (pea sized or less)?		NA			
7. Was a trip blank (TB) included for VOC analyses?		NA			
8. Are non-VOC samples collected in the correct containers?		Yes			
9. Is the appropriate volume/weight or number of sample containers co	llected?	Yes			
Field Label					
20. Were field sample labels filled out with the minimum information	on:				
Sample ID?		Yes			
Date/Time Collected?		Yes	L		
Collectors name?		Yes			
Sample Preservation	. 10				
21. Does the COC or field labels indicate the samples were preserve	ea?	No			
22. Are sample(s) correctly preserved?	,	NA N-			
24. Is lab filteration required and/or requested for dissolved metals?		No			
<u>Multiphase Sample Matrix</u>					
26. Does the sample have more than one phase, i.e., multiphase?		No			
27. If yes, does the COC specify which phase(s) is to be analyzed?		NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laboratory?		No			
29. Was a subcontract laboratory specified by the client and if so whether the second se	ho?	NA	Subcontract Lab: NA		
<u>Client Instruction</u>					



Date

envirotech Inc.

Signature of client authorizing changes to the COC or sample disposition.

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
10077 Grogans Mill Rd.	Action Number:
The Woodlands, TX 77380	156971
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2222822822 ABO PLANT TO COYOTE 12" STEEL LINE RECEIVER, thank you. This closure is approved.	1/25/2023

Action 156971