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

)

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Incident ID	
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Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Longitude _______(NAD 83 in decimal degrees to 5 decimal places)

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

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

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

Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls)	Volume Recovered (bbls)
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Page	2

Oil Conservation Division

Incident ID	nOY1727241068
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Dale Woodall	Title: <u>Env. Professional</u>
Signature: Dale Woodall	Date: <u>12/16/2022</u>
email: <u>dale.woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
OCD Only	
Received by:	Date:

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Oil Conservation Division

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	$\frac{282}{\text{bgs}}$ (ft
Did this release impact groundwater or surface water?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	☐ Yes ⊠ No
watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used	
by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh	☐ Yes ⊠ No
water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔀 No
Are the lateral extents of the release overlying a subsurface mine?	
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
	🗌 Yes 🔀 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂 No

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data

Data table of soil contaminant concentration data

 \boxtimes Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 12/1	6/2022 3:00:30 PM State of New Mexic	20		Page 4 of 1					
			Incident ID	nOY1727241068					
Page 4	Oil Conservation Divi	ISION	District RP	1RP-4829					
			Facility ID						
			Application ID						
regulations all operators public health or the envi failed to adequately inve	Voodall	ase notifications and perfor by the OCD does not reliev se a threat to groundwater, s rator of responsibility for co	m corrective actions for rele e the operator of liability sh surface water, human health ompliance with any other fe <u>professional</u>	eases which may endanger nould their operations have nor the environment. In					
OCD Only Received by:	Jocelyn Harimon	Date:	12/16/2022						

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

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Remediation Plan

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

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Incident ID	nOY1727241068
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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.

<u>Closure Report Attachment Checklist</u> : Each of the following it	items must be included in the closure report.
\square A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
OCD Only	
Received by: Jocelyn Harimon	Date:12/16/2022
	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:



Souder, Miller & Associates • 201 S. Halagueno St. • Carlsbad, NM 88220 (575) 689-8801

December 15, 2022

#5E31003-BG27

NMOCD District 1 1625 North French Drive Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the Rio Blanco 33 Federal 2 (nOY1727241068), Lea County, New Mexico

1.0 Introduction

On behalf of Devon Energy Production Company (Devon), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the release assessment results and closure request for a produced water release related to oil and gas production activities at the Rio Blanco 33 Federal 2 (nOY1727241068). The release site is located in Unit F, Section 33, Township 22S, Range 34E, Lea County, New Mexico, on State Trust Land administered by the New Mexico State Land Office (NMSLO). Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

	Table 1: Release Information and Closure Criteria										
Name	Rio Blanco 33 Federal 2	Company	Devon Energy Production Company								
API Number	30-025-36360	Location	32.3499985, -103.4771576								
Incident Number	nOY1727241068	Land Status	State Trust Land								
Date of Release	September 13, 2017										
Source of Release	Discharging pipe										
Released Volume	10 barrels (bbls) Produced Water	Recovered Volume	6 bbls Produced Water								
NMOCD Closure Criteria	<50 feet to groundwater										
SMA Response Dates	November 28, 2022; December 6,	November 28, 2022; December 6, 7, 2022									

2.0 Background

On September 13, 2017, a produced water release was discovered at the Rio Blanco 33 Federal 2 site. Initial response activities were conducted by Devon, and included source elimination and site security, containment, and site stabilization activities. The release remained entirely on the pad of the well site and 6 of the 10 bbls of produced water were recovered. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. A copy of the initial C-141 is included in Appendix A.

3.0 Site Information and Closure Criteria

The Rio Blanco 33 Federal 2 site is located approximately 44 miles east-southeast of Carlsbad, New Mexico on State Trust land at an elevation of approximately 3,411 feet above mean sea level (amsl).

Rio Blanco 33 Fed 2 Release Closure Report December 15, 2022

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System reported two wells, CP-1705 and CP-1706, within $\frac{1}{2}$ -mile of the site, with reported depths to groundwater of 305 feet and 282 feet, respectively. (Appendix B).

Wellhead Protection Area

There are six known water wells within ½-mile of the location, according to the OSE NMWRRS and USGS National Water Information System. Registered wells in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed ephemeral wash, located approximately one mile to the northeast.

Closure Criteria

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii which indicate that the site does not lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 New Mexico Administrative Code (NMAC).

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet below grade surface (bgs).

4.0 Release Characterization

SMA personnel performed a release assessment which included the advancement of fourteen soil borings (BH01 through BH14) using a hand auger. Soil samples were collected from the surface and every foot thereafter to auger refusal on rock at total boring depths ranging from 3.5 to 5 feet bgs. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Soil boring locations are illustrated on Figure 3. Copies of field notes and a photolog are included in Appendix C.

Samples selected for laboratory analysis were collected and submitted to the laboratory in accordance with the sampling protocol included in Appendix D. The samples were analyzed for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

Laboratory analytical results indicate that benzene and total BTEX concentrations are below laboratory reporting limits of 0.0250 milligrams per kilogram (mg/kg) and 0.100 mg/kg, respectively. These laboratory reporting limits are below the Closure Criteria of 10 mg/kg benzene and 50 mg/kg total BTEX. Laboratory analytical results also indicate that TPH (GRO+DRO) concentrations range from below laboratory reporting limits of 45.0 mg/kg to 68.8 mg/kg in BH03, which are below the Closure Criteria of 1,000 mg/kg. Total TPH concentrations are reported ranging from below laboratory reporting limits to 277 mg/kg in BH03, which are below the Closure Criteria of 2,500 mg/kg. Finally, chloride concentrations are reported ranging from below laboratory reporting limits to 4,550 mg/kg in BH01, which are below the Closure Criteria of 20,000 mg/kg. Laboratory analytical reports are included in Appendix E.

Rio Blanco 33 Fed 2 Release Closure Report December 15, 2022

5.0 Recommendations

As demonstrated in Table 3, all release assessment samples meet NMOCD Closure Criteria of Table I of 19.15.29.12 NMAC for a release where depth to groundwater is greater than 100 feet bgs. The release area is located entirely on the well pad.

SMA recommends no further action and requests closure of Incident Number nOY1727241068/1RP-4829.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation guidance; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Heather Woods at (505) 716-2787.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Georgeann Goodman Field Technician II

Heather M. Woods

Heather M. Woods, P.G. Project Geoscientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 12/12/2022

USGS National Water Information System: Web Interface online water well database https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format= html; accessed 12/12/2022

ATTACHMENTS:

Figures:

Figure 1: Topographic Site Map Figure 2: Aerial Site Map Figure 3: Site and Sample Location Map Page 3 of 4

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Rio Blanco 33 Fed 2 Release Closure Report December 15, 2022

Tables:

Table 2: NMOCD Closure Criteria Justification Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C-141 Appendix B: Water Well Data Appendix C: Field Notes and Photo Log Appendix D: Sampling Protocol Appendix E: Laboratory Analytical Reports

FIGURES

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TABLES

Engineering • Environmental • Surveying

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Table 2: NMOCD Closure Criteria Devon Energy Production Company Rio Blanco 33 Fed 2

Site Information (19.15.29.11.A(2, 3, and 4) NMAC	Source/Notes					
Depth to Groundwater (feet bgs)	282	United States Geological Survey				
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	2,275	New Mexico Office of the State Engineer				
Hortizontal Distance to Nearest Significant Watercourse (ft)	5,280	United States Geological Survey Topo Map				

Closure Criteria (19.15.2	9.12.B(4) an	d Table 1 NMAC)							
	Closure Criteria (units in mg/kg)								
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene				
< 50' BGS	Х	600	100		50	10			
51' to 100'		10000	2500	1000	50	10			
>100'		20000	2500	1000	50	10			
Surface Water	yes or no		if yes	s, then					
<300' from continuously flowing watercourse or other significant									
watercourse?	No								
<200' from lakebed, sinkhole or playa lake?	No								
Water Well or Water Source									
<500 feet from spring or a private, domestic fresh water well used by									
less than 5 households for domestic or stock watering purposes?	No								
<1000' from fresh water well or spring?	No								
Human and Other Areas		600	100		50	10			
<300' from an occupied permanent residence, school, hospital,		000	100		50	10			
institution or church?	No								
within incorporated municipal boundaries or within a defined									
municipal fresh water well field?	No								
<100' from wetland?	No								
within area overlying a subsurface mine	No								
within an unstable area?	No								
within a 100-year floodplain?	No								

Table 3: Summary of Field Screening and Laboratory Analytical Results

Devon Energy Production Company Rio Blanco 33 Fed 2

		Depth of	Field Scr	reening	Metho	d 8021B		N	lethod 8015	D		Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	VOCs by PID	EC	BTEX	Benzene	GRO	DRO	GRO + DRO	MRO	Total TPH	Chloride
			ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	NMOC	D Closure Crite	eria		50	10			1,000		2,500	20,000
		0		2.85	<0.100	<0.0250	<20.0	55.5	55.5	75.1	130.6	3,700
		1		4.02	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	4,550
BH01	11/28/2022	2		1.00								
BHOI	11/20/2022	3		0.77	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	731
Sample ID BH01 BH02 BH03 BH04 BH05 BH05 BH06		4		0.66								
		5		0.68	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	315
		0		0.12	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	87.2
		1		2.94	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,750
	11/28/2022	2		0.94								
	11/20/2022	3		1.05	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,520
		4		0.56								
		5		0.63	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,020
		0		0.13	<0.100	<0.0250	<20.0	68.8	68.8	208	277	<20.0
		1		0.18								
вноз	11/28/2022	2		0.37								
BH05		3		0.86	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	795
BH03		4		0.69								
		5		0.26	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	277
		0		0.05	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	300.0 300.0 otal TPH Chloride mg/kg mg/kg 2,500 20,000 130.6 3,700 <95.0 4,550 <95.0 731 <95.0 315 <95.0 3,750 <95.0 3,750 <95.0 1,520 < <95.0 1,020 < <95.0 795 < <95.0 795 < <95.0 795 < <95.0 277
		1		0.28	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	191
BHO4	11/28/2022	2		0.21								
B1104	11/20/2022	3		0.18	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	115
		4		0.22								
		5		0.11	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	22.6
		0		0.12	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
		1		0.93	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	628
DHOE	11/20/2022	2		0.14								
БПОЭ	11/28/2022	3		0.24	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	168
		4		0.21								
		5		0.10	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	36.6
		0		0.08	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0		<20.0
		1		0.64	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0		
BH06	11/28/2022	2		0.18	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0		
		3		0.17								
вноз вноз вноз вно5		3.5		0.13	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	50.7



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Table 3: Summary of Field Screening and Laboratory Analytical Results

Devon Energy Production Company Rio Blanco 33 Fed 2

		Depth of	Field Screening		Metho	Method 8021B		Method 8015D					
Sample ID	Sample Date	Sample (feet bgs)	VOCs by PID	EC	BTEX	Benzene	GRO	DRO	GRO + DRO	MRO	Total TPH	Chloride	
			ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
	NMOC	D Closure Crit	eria		50	10			1,000		2,500	20,000	
		0		0.04	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.10									
BH07	11/28/2022	2		0.13	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
BIIO7	11/20/2022	3		0.15									
		4		0.21									
		5		0.10	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	51.3	
		0		0.05	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.12									
DUOS	11/28/2022	2		0.20	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	106	
впоя		3		0.45									
		4		0.48	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	472	
		5		0.36	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	434	
		0		0.04	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.17									
DUIDO		2		0.18	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	39.4	
BH09	11/28/2022	3		0.15	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		4		0.10									
вноя вноя и		5		0.09	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		0		0.06	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.08									
5114.0	44/20/2022	2		0.10	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	25.4	
BH10	11/28/2022	3		0.16	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	64.5	
		4		0.10									
		4.5		0.13	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	25.5	
		0		0.12	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.43	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	203	
DUIT		2		0.16									
BH11	12/6/2022	3		0.17	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	37.6	
		4		0.08									
		4.5		0.18	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	42.1	

•

Table 3: Summary of Field Screening and Laboratory Analytical Results

Devon Energy Production Company
Rio Blanco 33 Fed 2

		Depth of	Field Sci	reening	Metho	Method 8021B		Method 8015D					
Sample ID	Sample Date	Sample (feet bgs)	VOCs by PID	EC	BTEX	Benzene	GRO	DRO	GRO + DRO	MRO	Total TPH	Chloride	
			ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
NMOCD Closure Criteria					50	10			1,000		2,500	20,000	
		0		0.38	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	361	
BH12		1		1.40	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,510	
	12/7/2022	2		0.43									
	12/7/2022	3		0.51	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	432	
		4		0.39									
		5		0.28	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	226	
		0		0.09	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	26.0	
		1		0.25	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	152	
01112	12/7/2022	2		0.26									
рцтр	12/7/2022	3		0.34	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	226	
		4		0.30									
		5		0.40	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	523	
		0		0.06	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0	
		1		0.33	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	171	
	12/7/2022	2		0.45									
BH12 BH13 BH14	12/7/2022	3		0.31	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	171	
		4		0.33									
		4.5		0.54	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	588	

Notes: NMOCD - New Mexico Oil Conservation Division

VOCs - volitile organic compounds

PID - photoionization detector

ppm - parts per million

EC - electrical conductivity

mS - microsiemens

BTEX - benzene, ethylbenzene, toluene, and xylenes

mg/kg - milligrams per kilogram

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroleum hydrocarbons

--" - not analyzed



APPENDIX A FORM C141

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011

Page 21 of 146

Oil Conservation Division 1220 South St. Francis Dr.

1220 S. St. Fran	icis Dr., Santa	a Fe, NM 87505)	Sa	anta F	Fe, NM 875	505							
			Rele	ease Notifi	catio	n and Co	orrect	ive Ao	ction	l				
						OPERATOR Initial Report Final Repo								
				ion Company		Contact Aaron Kidd, Technical Services Foreman								
		Rivers Hwy		NM 88210		Telephone No. 575-748-9936								
Facility Na	me Rio B	lanco 33 Fec	deral 2			Facility Ty	pe Salt	Water D	isposa	1				
Surface Ov	wner Sta	te		Mineral	Owne	r Federal				API No	30-025-3	6360		
				LOCA	ATIO	N OF RE	LEASI	E						
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet fr	om the	East/V	West Line	County			
F	33	228	34E	1980		North	1980	0	١	West	Lea			
			T - 4 ⁹ 4 J	22 2400085			T	- J. 102	47716	- 7 (
			Latitude	: 32.3499985				ide: -103	.4//13	5/6				
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Type of Rele	ease Produc	ced water				Volume of	r Kelease	IORRES	SPW	volume	Recovered	OBBL	LSPW	
Source of Re						Date and			nce		Hour of D		ery	
Discharge Pi Was Immed		Given?				09/13/2017 If YES, T				09/13/201	17 @11:30 A	AIM		
			Yes] No 🗌 Not R	equired	l OCD-Oliv	ia Yu							
D., 11/1,	A 17.1	1 77 1 1 1 6	· · F			BLM-She		r						
By whom:	Aaron Kid	d, Technical S	Services F	breman		Date and BLM-9/13		4:02 PM						
						OCD-9/13	/2017 @	4:05 PM						
Was a Wate	rcourse Re	ached?	Yes 🖂	1 No		If YES, V	olume In	npacting	the Wa	atercourse				
							RF	CEIV	/FN					
If a Waterco N/A	ourse was I	mpacted, Des	scribe Ful	ly.*								Com	20.20	047
Describe Ca		lem and Ren									20 am, S	-		_
				ed a leak. The f					vas iso	lated to st	op the rele	ase. A	All fluid v	was
PW and stay	yed on loca	ation. A vac	uum truc	k was dispatche	ed to re	ecover any st	anding fl	luids.						
		and Cleanu												
				released as a res n the location. A										ia
remediation (u stayeu ol	ii the location. A		ommentar com				assist with	i the definea	uon a	.110	
T 1 1					1					1.1				
				e is true and comp nd/or file certain i										
public health	or the envir	ronment. The	acceptance	ce of a C-141 rep	ort by t	he NMOCD n	arked as	"Final Re	port" d	loes not reli	ieve the ope	rator o	of liability	
				investigate and i										lth
		ws and/or regu		tance of a C-141	report	does not renev	e the ope	erator of re	esponsi	binty for c	omphance v	vith ar	ny other	
							OIL	CONS	SERV	ATION	DIVISIO	DN		
Signature: M	lichael R. S	Shoemaker								กั	Ч.			
Printed Name	e: Michael I	R. Shoemaker				Approved by	Environ	mental Sp	ecialist	t:	\mathcal{T}			
							9/2	9/2017	7		_			
Title: Enviro	nmental Pro	ofessional				Approval Da	te:]]	Expiration	Date:			
E-mail Addre	ess: mike.sh	oemaker@dv	n.com			Conditions o	f Approva	al:			Attached		/	
Date: 09/27	/2017	т	Phone: 575	5-748-3371		see atta	ched d	lirectiv	е		¹ macheu		•	
* Attach Addi				-140-33/1							1			
			-			1RP-482	9		1707	244069		V/4 7	070440	200

nOY1727241068

pOY1727241260

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _9/27/2017_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-4829_ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _10/29/2017_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us



APPENDIX B WATER WELL DATA

Engineering • Environmental • Surveying



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(qua					IE 3=SW () largest)	,	3 UTM in meters)		(In feet	t)
POD Number	POD Sub- Code basin (County	-	Q (16 4	-	: Tws	Rng	x	Y	-	-	Water Column
CP 01705 POD1	CP	LE	4	42	32	22S	34E	642588	3580179 🌍	700	305	395
CP 01706 POD1	CP	LE	4	42	32	22S	34E	642603	3580185 🌍	340	282	58
CP 01740 POD1	СР	LE	1	1 1	34	22S	34E	644402	3580765 🌍	600	560	40
CP 01803 POD1	СР	LE	1	1 1	34	22S	34E	644357	3580786 🌍	240	180	60
CP 01826 POD1	СР	LE	1	1 1	34	22S	34E	644379	3580778 🌍	698	180	518
CP 01829 POD1	СР	LE	4	42	32	22S	34E	642559	3580172 🌍	1410	1150	260
									Average Depth to	Water:	442 f	eet
									Minimum	Depth:	180 f	eet
									Maximum	Depth:	1150 f	eet
Record Count: 6												

Record Count: 6

PLSS Search:

Section(s): 29, 28, 27, 32, Township: 22S 33, 34

Range: 34E

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.



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(quar						IE 3=SW largest)	,	3 UTM in meters)		(In fee	t)
POD Number	POD Sub- Code basin C	ounty	-	Q 16	-	Sec	Tws	Rng	Х	Y	-	-	Water Column
CP 01502 POD1	CP	LE	4	3	3	05	23S	34E	641316	3577635 🌍	648	200	448
CP 01502 POD2	CP	LE	4	3	3	05	23S	34E	642074	3577676 🌍	680	300	380
CP 01622 POD1	CP	LE	1	3	3	04	23S	34E	642830	3577872 🌍	575	285	290
										Average Depth to	Water:	261 f	eet
										Minimum	Depth:	200 f	eet
										Maximum	Depth:	300 f	eet
Record Count: 3													

PLSS Search:

Section(s): 5, 4, 3

Township: 23S

Range: 34E

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.

New Mexico Office of the State Engineer **Point of Diversion Summary** (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) Q64 Q16 Q4 Sec Tws Rng х Well Tag POD Number V 20D10 CP 01705 POD1 4 4 2 32 228 34E 642588 3580179 🧲 Driller License: 1058 Driller Company: KEY'S DRILLING & PUMP SERVICE Driller Name: KEY, CASEY Drill Start Date: 04/02/2018 Drill Finish Date: 05/01/2018 Plug Date: Log File Date: 05/23/2018 PCW Rcv Date: Source: Shallow Pump Type: Pipe Discharge Size: Estimated Yield: 350 GPM Casing Size: 8.00 Depth Well: 700 feet Depth Water: 305 feet

Water Bearing Stratific	ations:	Тор	Bottom	Description	
		270	317	Sandstone/Gra	vel/Conglomerate
		317	375	Sandstone/Gra	vel/Conglomerate
		375	420	Sandstone/Gra	vel/Conglomerate
		420	565	Sandstone/Gra	vel/Conglomerate
		565	590	Sandstone/Gra	vel/Conglomerate
		590	700	Sandstone/Gra	vel/Conglomerate
Casing Perfo	rations:	Тор	Bottom		
		300	700		
Meter Number:	18949		Meter M	lake:	SEAMETRICS
Meter Serial Number:	042018001248		Meter M	ultiplier:	1.0000
Number of Dials:	8		Meter T	ype:	Diversion
Unit of Measure:	Barrels 42 gal.		Return l	low Percent:	
Usage Multiplier:			Reading	Frequency:	Monthly
х					
Meter Readings (in Acre-Feet)					
Read Date Year Mtr Re	ading Flag	Rdr	Comme	ıt	Mtr Amount On

		,			
Read Date	Year	Mtr Reading	Flag	g Rdr Comment	Mtr Amount On
08/06/2019	2019	0	А	RPT New Meter	0
09/01/2019	2019	317662	А	RPT	40.945
11/04/2019	2019	773965	А	RPT	58.814
12/03/2019	2019	773965	А	RPT	0
02/01/2020	2020	981451	А	RPT	26.744
03/02/2020	2020	1349349	А	RPT	47.420
04/01/2020	2020	1546290	А	RPT	25.384
05/04/2020	2020	1546290	А	RPT	0
06/04/2020	2020	1546290	А	RPT	0
07/02/2020	2020	1546290	А	RPT	0
08/03/2020	2020	1546290	А	RPT	0
10/09/2020	2020	1546290	А	RPT	0
11/06/2020	2020	1546290	А	RPT	0
12/14/2020	2020	1546290	А	RPT	0
01/07/2021	2020	1546290	А	RPT	0
02/05/2021	2021	1546290	А	RPT	0
08/02/2021	2021	1546290	А	ad	0
09/01/2021	2021	1546290	А	ad	0
10/05/2021	2021	1546290	А	ad	0
11/04/2021	2021	1546290	А	ad	0
12/13/2021	2021	1546290	А	ad	0
01/01/2022	2022	1546290	А	ad	0
02/01/2022	2022	1546290	А	ad	0
03/01/2022	2022	1546290	А	ad	0
04/01/2022	2022	1546290	А	ad	0
05/06/2022	2022	1546290	А	ad	0
09/05/2022	2022	1546290	А	ad	0
10/10/2022	2022	1546290	Α	ad	0
**YTD Met	er Amoun	ts: Year		Amount	
		2019		99.759	
		2020		99.548	
		2021		0	
		2022		0	

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, or suitability for any particular purpose of the data.

12/15/22 5:31 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

STATE - : ROSWELL

HER OFFICE

2020 JAN 13 PM 4: 07

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

ION	OSE POD NO CP-1706). (WELL NO	.)	WELL TAG ID NO.		OSE FILE NO(S).				
OCAT	WELL OWN	-	N PROPERTIES R	ANCH LLC		PHONE (OPTI-	ONAL)				
GENERAL AND WELL LOCATION	WELL OWN 3300 N A		ADDRESS BLDG 1, STE 220			CITY MIDLAND		state TX 79705	ΖIP		
ĝ	WELL		DE	GREES MINUTES SECO				· · · · · · · · · · · · · · · · · · ·			
NL A	LOCATIO	N LA	ritude –	52 20 58	.20 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ER/	(FROM GI	PS) LO	NGITUDE	103 29 4.4	10 w	* DATUM REG	QUIRED: WGS 84				
GEN	DESCRIPTIO	ON RELATIN	IG WELL LOCATION TO	STREET ADDRESS AND COMMON LANDN	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	IERE AVAILABLE			
	SESENE S	SEC 32 T2	2S R34E								
	LICENSE NO	<u> </u>	NAME OF LICENSED				NAME OF WELL DD		· · · · · ·		
	WD1		NAME OF LICENSED	BRYCE WALLACE		NAME OF WELL DRILLING COMPANY ELITE DRILLERS CORPORATION					
	DRILLING S	TARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)			
[01/06		01/07/20	340		340		282			
Z	COMPLETE	O WELL IS:	ARTESIAN	DRY HOLE I SHALLOW (UNC	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED WE 282	LL (FT)		
OIL	DRILLING FI	LUD:	AIR	MUD ADDITIVES - SPE	CIFY:	· · ·	· · · · ·	······			
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD:	🔽 ROTARY	HAMMER CABLE TOOL	OTHE	R - SPECIFY:					
NFO	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR			CASING				
ų D	FROM	то	DIAM	GRADE		ASING VECTION	INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE		
ASIP			(inches)	(include each casing string, and note sections of screen)		YPE ling diameter)	(inches)	(inches)	(inches)		
۵ در	0	280	6.75	SDR17 PVC		PLINE	4.3	SDR17			
Bu	280	340	6.75	SDR17 PVC	SP	PLINE	4.3	SDR17	.032		
un											
DR											
7.					[
			- .					l			
				· · · · · · · · · · · · · · · · · · ·							
	DEPTH ((feet bgl)	BORE HOLE	LIST ANNULAR SEAL MA	TERIAL A	ND	AMOUNT	METHO	D OF		
JI.	FROM	то	DIAM. (inches)	GRAVEL PACK SIZE-RANG			(cubic feet)	PLACEM			
ERI	25	340	6.75	8/16 SILICA SA	ND		54	POU	R		
LAM											
AR 7											
ANNULAR MATERIAL											
ANA						_					
3.											
FOR	OSE INTER	NAL USE				WR-20	WELL RECORD A	& LOG (Version 04/30)/19)		

R34 F

POD NO.

Sec

<u>206</u>

T225

4

7

FILE NO.

LOCATION

C/I~

2

3964

PAGE 1 OF 2

66

N

TRN NO.

WELL TAG ID NO.

.

	DEPTH (FROM	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNT INCLUDE WATER-BEARING CAVITIES OR FRACT (attach supplemental sheets to fully describe al	TURE ZONES	WATER BEARING (YES / NC))	ESTIMATED YIELD FOR WATER- BEARING CONES (gpm)
1	240	295	55	REDISH SANDY CLAY		✓ Y	N	5.00
1	295	340	45	TAN SAND		✓ Y	N	50.00
						Y	N	
						Y	N	
						Y	N	
1				· · · ·		Y	N	
HYDROGEOLOGIC LOG OF WELL				· · · · ·		Y	N	
OF						Y	N	
00						Y	N	
I DE						Y	N	
FO						Y	N	
GEO						Y	N	
RO						Y	N	<u>,</u>
НУІ					·	Y	N 2	
4						Y	N 5	
						Y	N	
						Y	N L	
						Y	N P	
						Y	N E	
						Y	су И	36
						Y	N	• • •
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:		FOTAL ESTIMAT		
	PUM	▶	IR LIFT	BAILER OTHER - SPECIFY:		WELL YIELD (gp	m):	55.00
NO	WELL TES	T TEST STAR	RESULTS - ATT I TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TH ME, AND A TABLE SHOWING DISCHARGE AND DRAW	ESTING, INCL /DOWN OVER	UDING DISCHAR THE TESTING PI	.GE MET ERIOD.	THOD,
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	ORMATION:					
5. TEST	PRINT NAM	ie(s) of di	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF	WELL CONST	RUCTION OTHE	R THAN	LICENSEE:
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF WELL I ALSO CERTIFY THAT THE WELL TAG, IF REQ WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER	QUIRED, HAS	BEEN INSTALLEI	D AND 1	THAT THIS
6. SIGNA		h	n/	BRYCE WALLACE		01/08/202	20	
-		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DAI	ΓE	
FOE	OSE NITEP	JAL USE			WD 20 WELL		(V- ·	
	E NO.	p - 17	06		TRN NO. 4	63964	(version	1 04/30/2019)
LOC	CATION	424			rag id no.	NA	P	AGE 2 OF 2
			· • • • •					

APPENDIX C FIELD NOTES AND PHOTOLOG

Engineering • Environmental • Surveying

		Λsi	MA FI	ELD SCREEN	NG	
LOCATION NAME:	Bevon Ric	Blanco	33 Fed 2	-	SAMPLING D	ATE: November 28,2022
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BHOIPO	1020		2.85	19.8		
BHOIRI	1021		4.02	19.9		
BHOI@2	1022		1.0	19.9		
BHOI@3	1024		0.77	20.2		
BH01@4	1025		0.60	20.1		
8401@5	1031		80.0	20.1		
BHODEO	1030		0.16	19.9		
BHOZ@I	1034		2.94	19.7		
BHO2@2	1035 103919		0.94	30.00		
BA02 @ 3	1037		1.05	20.1		
BHO2@4	1040		0.50	20.00		
B402@5	1041		0.63	20.0		~
BH03@0	1044		0.13	20.1		
BH03@1	1046		0.18	19.9		
BH03@2	1048		0.37	20.2		
8403@3	1050		0.86	19.9		
BH03@4	1051		0.69	0.06		
BH03@5	1053		0.26	J. 0C		-
B404@0	1057		0.05	19.9		
BH:04@1	1059		0.28	19.9		

soil color: light, dark, tan, brown, yellow, red, olive, gray soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet

		ΔS	A FI	ELD SCREEN	NG	
	Jevon Rio	Blanco	33 Rd	2	SAMPLING D	ATE: Novcumber 28,2022
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BHOYQ2	1100		0.21	19.8		
BH04@8	1102		a.18	19.0		
BH04@4	1104		0.22	20.3		
BHO4@5	1106		0-11	20.06		
BH05 QO	11(4		0.12	20.1		
BHOS@1	1117		0.93	19.9		
BH 05 @J	1118		0.14	19.7		
BH05@3	1120		0.24	20.2		
BH05@4	1122		a.21	20 .1		
B#05@5	1123		0.10	20.2		
BHQGQQ	1128		80.0	20.00		
BHOGEN	1130		0.64	20.0		
BHOG @2	1132		0.18	20.1		
BHOGQ3	1134		0.17	20.2		
8406@3.5	1137		0.13	20.1		
BHOT@O	1139		0.024	20.1		
BHOTQI	1141		0.10	30.2		
BHOJ@2	1143		0.13	19.7		
B1407@3	1146		0.15	19.9		
BHORQY	1147		0.21	19.7		

soil color: light, dark, tan, brown, yellow, red, olive, gray soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet

		<u></u>	A FI	ELD SCREEN	NG	
OCATION NAME:	Devon Kio	Blanco	33 Rel 2		SAMPLING D	ATE: November 23,2022
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BHO7@5	1149		01.0	19.9		
BH0300	1154		0.05	20.0		
BHOBQI	1156		0.12	19.9		
B403@2	1157		0.20	19.7		
BH08 P3	1159		0.45	20.1		
BHOSQ4	1201		64.0	19.9		
BHOSOS	1203		0.36	20.0		
BH09@0	1332		0.04	19.8		
BHOGQI	1334		0.17	19.3		
BH0902	1335		0.18	20.4		
BHO9 @3	1337		0.15	20.3		
Btto 9 @4	1338		0.0	20.2		
BH09@5	1339		0.09	20-1		
BHIOGO	1341		00.0	19.9		
BH10@1	1347		80.0	20.6		
BH10@2	1349		0.10	20 - (
BHIO@3	1351		0.14	20.1		
BH10@4	1352		0.10	19.8		
BH10 Q4.5	1354		Q.13	20.0		

soil color: light, dark, tan, brown, yellow, red, olive, gray soil type: gravel, rock, sand, silty, clay

mositum lough des moist sust

mositure level: dry, moist, wet

1		22	*			
LOCATION NAME:	RIJ Blan	cor Fed	3: De	voh	SAMPLING D	ATE: December 10,2022
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BHII@O	1110		0.12	13.4		
BHII@I	1111		0.43	19.3		
BHILDJ	1112		0.16	18.1		
BHILD 3	1113		0.14	18.3		
BHIL Q 4	1114		80.0	18.4		
BH11@4.5	1116		0.18	18-4		
\sim	\sim					Accumper 7, 2022
BH12@0	1148		0.38	18.9		
BH12@1	1150		1.40	19.2		
BH12@2	1151		0.43	19.00		
BH12 @3	1152		0.51	19.0		
B#12@4	1153		0.39	18.9		
B#12@5	1155		୦.28	8.8		
BH13@0	1157		0.09	18.9		
BH 13@1	1158		0.25	18.9		
BH13@2	1159	*	0.26	18.9		
841303	1200		0.34	18.9		
BHBQ4	1201		0.30	19.0		
BHI3@S	1203		0.40	19.0		

soil color: light, dark, tan, brown, yellow, red, olive, gray soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet

soil color: light, dark, tan, brown, yellow, red, olive, gray

soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet
Photograph Log Rio Blanco 33 Fed 2 Devon Energy Production Company





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Photograph Log Rio Blanco 33 Fed 2 Devon Energy Production Company



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Photograph Log Rio Blanco 33 Fed 2 Devon Energy Production Company



Photograph #3	S W W 180 210 240 270 • I • I • I • I • I • I • I • I • I • I
Client: Devon Energy	
Site Name: Rio Blanco 33 Fed 2	
Date Photo Taken: November 28, 2022	
Release Location: -103.4771576W, 32.3499985N S: 33 T: 22S R: 34E	
Lea County, New Mexico	11/28/2022, 14:17:07 MST
Photo Taken by: Sarahmay Schlea	Description: View facing southwest toward well pad entrance.

Photograph Log Rio Blanco 33 Fed 2 Devon Energy Production Company



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Photograph Log Rio Blanco 33 Fed 2 Devon Energy Production Company





APPENDIX D SAMPLING PROTOCOL



Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Analytical Laboratory in Farmington, New Mexico for analysis. Samples collected for laboratory analysis were analyzed for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site field screening and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

APPENDIX E

LABORATORY ANALYTICAL REPORTS





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:

Rio Blanco 33 Fed 2

Work Order: E211172

Job Number: 01058-0007

Received: 11/30/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/5/22

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: 12/5/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Rio Blanco 33 Fed 2 Workorder: E211172 Date Received: 11/30/2022 11:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/30/2022 11:00:00AM, under the Project Name: Rio Blanco 33 Fed 2.

The analytical test results summarized in this report with the Project Name: Rio Blanco 33 Fed 2 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	
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		Sample Sum			
Souder Miller Associates - Carlsbad		Project Name:	Rio Blanco 33 Fed 2		Reported:
201 S Halagueno St.		Project Number:	01058-0007		Reporteu:
Carlsbad NM, 88220		Project Manager:	Heather Woods		12/05/22 10:55
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 0	E211172-01A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH04 @ 5	E211172-02A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH02 @ 3	E211172-03A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH04 @ 3	E211172-04A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH10 @ 2	E211172-05A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH08 @ 4	E211172-06A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH07 @ 2	E211172-07A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH06 @ 1	E211172-08A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH05 @ 3	E211172-09A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH06 @ 0	E211172-10A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH09 @ 5	E211172-11A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH10 @ 4.5	E211172-12A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH05 @ 1	E211172-13A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH01 @ 3	E211172-14A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH03 @ 3	E211172-15A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH07 @ 0	E211172-16A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH01 @ 5	E211172-17A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH02 @ 1	E211172-18A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH06 @ 2	E211172-19A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
3H01 @ 1	E211172-20A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.



	D	ampic D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 0105	Blanco 33 Fec 58-0007 ther Woods	12		Reported: 12/5/2022 10:55:30AM
		BH01 @ 0				
		E211172-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	55.5	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	75.1	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		106 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2249041
Chloride	3700	40.0	2	11/30/22	11/30/22	

Sample Data



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numbe	er: 0105	01058-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods	12/5/2022 10:55:30AM		
		BH04 @ 5				
		E211172-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Foluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		107 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249041
Chloride	22.6	20.0	1	11/30/22	11/30/22	



Sample Data

	52	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed 2	2		
201 S Halagueno St.	Project Numbe	er: 0105	01058-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods		12/5/2022 10:55:30AM	
		BH02 @ 3				
		E211172-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		107 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249041
Chloride	1520	20.0	1	11/30/22	11/30/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numbe	er: 010	01058-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	12/5/2022 10:55:30AM			
		BH04 @ 3				
		E211172-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		110 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249041
Chloride	115	20.0	1	11/30/22	11/30/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed 2	2		
201 S Halagueno St.	Project Numbe	nber: 01058-0007			Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH10 @ 2				
		E211172-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL	Batch: 2249039	
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
urrogate: n-Nonane		105 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249041
Chloride	25.4	20.0	1	11/30/22	11/30/22	



Sample Data

	6	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name	:: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	ber: 0103	01058-0007			Reported:
Carlsbad NM, 88220	Project Mana	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH08 @ 4				
		E211172-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
oluene	ND	0.0250	1	11/30/22	12/01/22	
-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
urrogate: n-Nonane		104 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249041
Chloride	472	20.0	1	11/30/22	11/30/22	



Sample Data

	31	ample D	ata			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fe	d 2		
201 S Halagueno St.	Project Numbe	er: 0103	58-0007			Reported: 12/5/2022 10:55:30AM
Carlsbad NM, 88220	Project Manag	Project Manager: Heather Woods				
		BH07 @ 2				
		E211172-07				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
olatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2249039
enzene	ND	0.0250	1	11/30/22	12/01/22	
thylbenzene	ND	0.0250	1	11/30/22	12/01/22	
oluene	ND	0.0250	1	11/30/22	12/01/22	
-Xylene	ND	0.0250	1	11/30/22	12/01/22	
,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
otal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/30/22	12/01/22	
Ionhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2249039
asoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/30/22	12/01/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
urrogate: n-Nonane		106 %	50-200	12/01/22	12/01/22	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2249041
hloride	ND	20.0	1	11/30/22	11/30/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH06 @ 1				
		E211172-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Foluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		108 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2249041
Chloride	542	20.0	1	11/30/22	11/30/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed	12		
201 S Halagueno St.	Project Numb	er: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH05 @ 3				
		E211172-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		110 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2249041
Chloride	168	20.0	1	11/30/22	11/30/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH06 @ 0				
		E211172-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Foluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		99.2 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249041
Chloride	ND	20.0	1	11/30/22	11/30/22	



Sample Data

Da	imple D	ala			
Project Name:	Rio	Blanco 33 Fed 2			
Project Numbe	r: 0105	58-0007			Reported:
Project Manage	er: Heat	ther Woods			12/5/2022 10:55:30AM
]	BH09 @ 5				
]	E211172-11				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: SL		Batch: 2249039
ND	0.0250	1	11/30/22	12/01/22	
ND	0.0250	1	11/30/22	12/01/22	
ND	0.0250	1	11/30/22	12/01/22	
ND	0.0250	1	11/30/22	12/01/22	
ND	0.0500	1	11/30/22	12/01/22	
ND	0.0250	1	11/30/22	12/01/22	
	95.0 %	70-130	11/30/22	12/01/22	
mg/kg	mg/kg	Analyst: SL		Batch: 2249039	
ND	20.0	1	11/30/22	12/01/22	
	100 %	70-130	11/30/22	12/01/22	
mg/kg	mg/kg	Analy	rst: JL		Batch: 2249048
ND	25.0	1	12/01/22	12/02/22	
ND	50.0	1	12/01/22	12/02/22	
	105 %	50-200	12/01/22	12/02/22	
mg/kg	mg/kg	Analy	vst: RAS		Batch: 2249041
ND	20.0	1	11/30/22	11/30/22	
	Project Name: Project Numbe Project Manage Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Rio Project Number: 0102 Project Manager: Heat BH09 @ 5 E211172-11 BER09 @ 5 E211172-11 Result Limit mg/kg mg/kg ND 0.0250 ND 20.0 100 % 100 % mg/kg mg/kg MD 25.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0	Project Number: 01058-0007 Project Manager: Heather Woods BH09 @ 5 E211172-11 Reporting Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 20.0 1 mg/kg mg/kg Analy ND 25.0 1 ND 25.0 1 ND 50.0 1 ND 50.0 1 ND 50.200 1 Mg/kg Mg/kg<	It is is a blanco 33 Fed 2 Project Number: 01058-0007 Project Manager: Heather Woods BH09 @ 5 E211172-11 Result Dilution Reporting Result Limit Dilution Prepared MD 0.0250 1 11/30/22 ND 20.0 1 1/30/22 ND 20.0 1 1/30/22 MD 20.0 1 1/30/22 MD 20.0 1 1/30/22 MD 25.0	Project Name: Rio Blanco 33 Fed 2 Project Number: 01058-0007 Project Manager: Heather Woods BH09 @ 5 E211172-11 Result Dilution Prepared Analyzed Mp Mg/kg Analyst: SL 1//0/22 1//0/22 MD 0.0250 1 11/30/22 1//0/22 ND 0.02 1 1/30/22 1//0/22 ND 20.0 1 1/30/22 1//0/22 MD 20.0 1 1//30/22 1//0/22 MD 25.0 1



Sample Data

	25	ample D	ลเล			
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		Blanco 33 Fed 2 58-0007	2		Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
	Ι	BH10 @ 4.5				
		E211172-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		103 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2249041
Chloride	25.5	20.0	1	11/30/22	11/30/22	



Sample Data

	58	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numbe	er: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH05 @ 1				
		E211172-13				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		115 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2249041
Chloride	628	20.0	1	11/30/22	12/01/22	



Sample Data

	Reported: 12/5/2022 10:55:30AM	
	•	
Analyzed	Notes	
	Batch: 2249039	
12/01/22		
12/01/22		
12/01/22		
12/01/22		
12/01/22		
12/01/22		
12/01/22		
Analyst: SL		
12/01/22		
12/01/22		
	Batch: 2249048	
12/02/22		
12/02/22		
12/02/22		
	Batch: 2249041	
12/01/22		
	12/01/22 12/01/22 12/01/22 12/01/22 12/01/22 12/01/22 12/01/22 12/01/22 12/01/22 12/02/22 12/02/22 12/02/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed 2	2		
201 S Halagueno St.	Project Numbe	er: 0103	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH03 @ 3				
		E211172-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		106 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249041
Chloride	795	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed	12		
201 S Halagueno St.	Project Numb	er: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH07 @ 0				
		E211172-16				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		95.9 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2249041
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	25	imple D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	12		
201 S Halagueno St.	Project Numbe	r: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			12/5/2022 10:55:30AM
]	BH01 @ 5				
]	E211172-17				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		104 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2249041
Chloride	315	20.0	1	11/30/22	12/01/22	

Sample Data

	58	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed 2			
201 S Halagueno St.	Project Numbe	er: 010:	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 10:55:30AM
		BH02 @ 1				
		E211172-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		104 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2249041
Chloride	3750	20.0	1	11/30/22	12/01/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:						
201 S Halagueno St.	Project Numbe		Blanco 33 1 58-0007	Fed 2			Reported:
Carlsbad NM, 88220	Project Manager:		ther Woods			12/5/2022 10:55:30AM	
		BH06 @ 2					
		E211172-19					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	SL		Batch: 2249039
Benzene	ND	0.0250	1	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250		1	11/30/22	12/01/22	
Toluene	ND	0.0250		1	11/30/22	12/01/22	
-Xylene	ND	0.0250		1	11/30/22	12/01/22	
,m-Xylene	ND	0.0500		1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250		1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130		11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249039	
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/30/22	12/01/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130		11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0		1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0		1	12/01/22	12/02/22	
urrogate: n-Nonane		110 %	50-200		12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2249041
Chloride	63.4	20.0		1	11/30/22	12/01/22	



Sample Data

	29	imple D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Rio Blanco 33 Fed 2			
201 S Halagueno St.	Project Numbe	r: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			12/5/2022 10:55:30AM
]	BH01 @ 1				
]	E211172-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249039
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2249039
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2249048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		109 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	Analyst: RAS		Batch: 2249041
Chloride	4550	40.0	2	11/30/22	12/01/22	

QC Summary Data

Reported: 12/5/2022 10:55:30AM Analyst: SL Analyst: SL RPD Notes 11/30/22 Analyzed: 11/30/22 11/30/22 Analyzed: 11/30/22
Analyst: SL RPD Limit % Notes 11/30/22 Analyzed: 11/30/22
RPD Limit % Notes 11/30/22 Analyzed: 11/30/22
Limit % Notes 11/30/22 Analyzed: 11/30/22
% Notes 11/30/22 Analyzed: 11/30/22
11/30/22 Analyzed: 11/30/22
11/30/22 Analyzed: 12/01/22
11/30/22 Analyzed: 12/01/22
20
20
20
20
20
20



QC Summary Data

		QC D	umme	in y Data							
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	io Blanco 33 I 1058-0007 eather Woods	Fed 2				Reported: 12/5/2022 10:55:30AM		
Calisbau Nivi, 88220	No	, ,			15D CI	20					
	140	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2249039-BLK1)							Prepared: 1	1/30/22 A	nalyzed: 11/30/22		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130					
LCS (2249039-BS2)							Prepared: 1	1/30/22 A	nalyzed: 12/01/22		
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130					
Matrix Spike (2249039-MS2)				Source: E211172-01			Prepared: 11/30/22 Analyzed: 12/01/22				
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130					
Matrix Spike Dup (2249039-MSD2)				Source:	E211172-()1	Prepared: 1	1/30/22 A	nalyzed: 12/01/22		
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.3	70-130	5.90	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130					

QC Summary Data

		QC D	u I I I I I I	aly Data	L				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(Rio Blanco 33 F 01058-0007 Heather Woods	ed 2				Reported: 12/5/2022 10:55:30AM
-	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 (2249048-BLK1)							Prepared: 1	2/01/22 A	nalyzed: 12/01/22
Diesel Range Organics (C10-C28)	ND	25.0					_		-
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2249048-BS1)							Prepared: 1	2/01/22 A	nalyzed: 12/01/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2249048-MS1)				Source: E211172-05			Prepared: 12/01/22 Analyzed: 12/01/22		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			
Matrix Spike Dup (2249048-MSD1)				Source: I	211172-	05	Prepared: 1	2/01/22 A	analyzed: 12/01/22
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.131	20	
Surrogate: n-Nonane	51.4		50.0		103	50-200			


QC Summary Data

		QU N			•					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		Rio Blanco 33 F 01058-0007 Heather Woods	ed 2					ported: 2 10:55:30AM
		Anions	by EPA	300.0/9056A	1				Analys	st: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %		Notes
Blank (2249041-BLK1)							Prepared:	11/30/22	Analyzed:	11/30/22
Chloride LCS (2249041-BS1)	ND	20.0					Prepared:	11/30/22	Analyzed:	11/30/22
Chloride	275	20.0	250		110	90-110				
Matrix Spike (2249041-MS1)				Source:	E211172-0	1	Prepared:	11/30/22	Analyzed:	11/30/22
Chloride	3540	40.0	250	3700	NR	80-120				M2
Matrix Spike Dup (2249041-MSD1)				Source:	E211172-0	1	Prepared:	11/30/22	Analyzed:	11/30/22
Chloride	3800	40.0	250	3700	36.5	80-120	6.94	20		M2

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.



Souder Miller Associates - Carlsbad	Project Name:	Rio Blanco 33 Fed 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/05/22 10:55

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.



Project Information		Chain of Cu	stody							e N		Page _	<u>1</u> of <u>4</u>
Project Information		Chairlei cu	21007						6	50			
6		D:11 7-				Lab	Use O	nly,		TAT		A Program	SDWA
Saider Miller +	Associates	Bill To		Lab V	NO SIII			Number		3D	RCRA	CWA	<u> 30 m (</u>
Project: RUD DRUMCO 33	Fect 2 Attentio Address			PE	2111	72	a	lysis and I	iethod	1.1		Stat	e
Client: Salder Muller + Project: Rub Dunco 33 Project Manager: Alacher US Address: 201 S Halaguene		ite, Zip		-	T	T				TT		NM CO	UT AZ
	100000 Phone.			2	5							TX OK	
Phone:	<u>Email:</u>			γ 801	V 801	51	9 0	0.0				TX OK	
Email:				RO b	nco h	V 80	v 826	ide 30		1-30		Rom	arks
		1	Lab	08/08/08/08/08/08/08/08/08/08/08/08/08/0	GRO/DRO by 8015	RTEX by 8021	VOC. by 8260	Chiotide 300.0		BGDOC - NM BGDOC - 1X		Rein	
Sampled Sampled Containers	Sample ID		Number			-	-			X			
11/28 1020 5 1	BHOIQO		17	-						X			
11/28/1106 S 1	BHOY@5	<u></u>	6	-	+	-		++	+-+	V			
11/28 1037 5 1	BHOZQ3		3		-					<u></u>	++		
	BHOY @3		4		1	1				X	++		
1128 1102 S 1	011002		5							X	++		
11/28 1349 S	BHILL		10							*	\downarrow		
11/28 1201 S 1	BH0864	2	17	T						X			
11/28 1143 S 1	BHDT@2		8	+	+	1				X			
11/28 1130 5 1	BHOLDI		0	+		+	+			×			
11/28/1120 5 1	BH05@3		9			+	+		┠╌┼─	V			
	BHOLEO	4	10				1_		<u></u>	III	0	in dia	00
Additional Instructions:	1) could and un	mode. Sarah	ma	el	Sc	hl	ea	the second se	Mall	and the state	- he sararied a	nice the day they	re sampled or
Prase Sina PO	of this sample. I am aware that tamper	ing with or intentionally mislabelling the sample	bcation, date	e >{}				received pack	ed in ice at an au	ið teimt spane	O DOL HESS DAT		d Bays
time of collection is considered fraud and may be gro		Received by: (Signature)	Date	20	Т	ime				La	b Use Or	aly	
Relinquished by: (Signature)	ate Time	michalle & Eurola	- 11-0	29.1	12		00	Receive	ed on ice:	\mathcal{O}	I N		
The second second	ate Time	Received by Signature	Date	30/2		11.°C	T	T1		<u>T2</u>		<u>T3</u>	
Relinquished b(: (Signature),	11-29-22 16D	Received by: (Signature)	Date	2010		Time	<u>v</u>	1		11			
Relinquished by: (Signature)	Date Time					1			emp °C	<u> </u>	S V - VO	Δ	
Sample Matrix: S - Sol. Sd - Solid, Sg - Sludge Note: Samples are discarded 30 days after res	A - Agreeus O - Other		Cont	tainer	Type:	g · g	lass, p	poly/plas	tic, ag - an	port for the	e analivsis o	f the spove sar	rpies is applicat
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge.	ults are reported unless other arran	gements are made Hatardous samples w	iil be returne d for on the r	ea ta ch report	ient or t	a spos							
ony to those samples received by	and the second se						1						
enviro	otech												

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roject Information	Chain of Custody							50			Page <u>2</u>	_of 4
How HAR DOWNER	Bill To '				Use (Dnly , b Num	her	TAT	D RCI		wa sc	WA
Alteridon. Decisión Salea L	on	Lab V	×0#	72	D	0580	1007				State	
Project Manager: HCUTALLY City, State, Zip	· · · · · · · · · · · · · · · · · · ·				An	alysis a	nd Metho				A CO UT	AZ
Address: 20 Stalland Nm 88770 Phone: City, State, Zip Carlsback Nm 88770 [Email:		510	015							XE	K OK	
Phone:	2)) by 8(0 by 8	8021	8260	0100		WN.	×F.			I
Email: Report due by:	Lab	2108 by 8015	GRO/DRO by 8015	BTEX by 8021	VOC. by 8260	Metals 6010 Chioride 300.0		BGDOC + NM	BGDOC - 1X		Remar	(S
Time Date Matrix Ne Containers Sample ID	Number	E.	GF	81	3	2 0	++	V				
11/28 1339 S 1 BH09@5	11			-				r			.,	
	12	-		-		-	++	X		++		
11/28 1354 S 1 BHLOQ4.5	13						++	X				
	14							X				
11/28/1024 5 1 BHOI @ 3	15		T					X				
11/28 1050 5 1 BHO3@3		+		+	+	$\left \right $		X				
11/28/1139 5 1 BHD7@0	16			+					++	++		
	17							- 17	++			
11/20 1031 3 100	18											
11/28/1034 5 1 BHO2621	19							Y				
11/28 1132 5 1 BHOLEQ 2		+	+	1	1							
11/28/1021 5 1 BHOI@1	20			1					1		<u>~</u>	
Additional Instructions: <u>Meuse</u> <u>Server</u> to <u>Heuthen</u> ubody. S (faid sempler), attest to the validity and authenticity of this samela. I am aware that tampering with or intention (faid sempler), attest to the validity and authenticity of this samela. I am aware that tampering with or intention to be lease action. Simpled by:	avannal Se ionally mislabelling the sample location, date	<u>h</u>	leo	C,	Ge	Samples received	Packed n ice a	Mal preservat at an avg tem		dm0 cerved om Ke ti reis than if it o	in subsequent da	ampled or vs
found and may be grain us of rega action of the	Date			me					Lab Us	se Only		
Religquished by: (Signature)	U.K. Curris 11-2	9-22		090 me	0(Rec	eived on	ice:	QI N			
Date Time Received by		30/2	2	//:/ ime	00				12		<u>T3</u>	
Relinquished by: (Signature) Date Time Received by	Y. (SIBLACTIC)						GTemp		-lace v	- 1/04		
1	have a second and will be returned	d to cli	Type: ent or c	g · g	lass, p ed of at	- poly/	plastic, ag	- ann be he report	for the anal	Ivsis of the	sbove sample	es is applicad
Sample Matrix: 5 - 504, 5d - 501d, 4g - blogs Note: Samples are discarded 30 days after results are reported unless other arrangements are ma provido those samples received by the laboratory with this COC. The liability of the laboratory is l	ade Hatardous samples will be retained limited to the amount paid for on the r	eport										
ony to those samples received by the	-				1	X						
envirotech												

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	Date Received:	11/30/22 1	1:00	Work Order ID: E211172
Phone:	(575) 200-5443	Date Logged In:	11/30/22 0	9:52	Logged In By: Caitlin Christian
Email:		Due Date:	12/06/22 1	7:00 (4 day TAT)	
Chain of	f Custody (COC)				
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: <u>U</u>	JPS_
4. Was th	ne 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 t i.e, 15 minute hold time, are not included in this disucssior		Yes		Comments/Resolution
Sample '	<u> Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Rio Blanco 33 Fed 2 has been
Sample	<u>Cooler</u>				separated into 2 reports. Workorders are as
7. Was a	sample cooler received?		Yes		follows: E211172 & E211173. White out is
8. If yes,	was cooler received in good condition?		Yes		on COC by client.
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		
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 a minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°	С		
	Container	-	_		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	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	ers collected?	Yes		
Field La	<u>bel</u>				
	field sample labels filled out with the minimum infor	mation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		Yes	•	
	Preservation		No		
	the COC or field labels indicate the samples were pre	served?	No		
	sample(s) correctly preserved?		NA		
	o filteration required and/or requested for dissolved me	etals?	No		
	ase Sample Matrix				
	the sample have more than one phase, i.e., multiphase	e?	No		
	s, does the COC specify which phase(s) is to be analyz		NA		
•	ract Laboratory		. 12 8		
	samples required to get sent to a subcontract laboratory	/?	No		
	a subcontract laboratory specified by the client and if s			Subcontract Lab): na

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:

Rio Blanco 33 Fed 2

Work Order: E211173

Job Number: 01058-0007

Received: 11/30/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/5/22

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: 12/5/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Rio Blanco 33 Fed 2 Workorder: E211173 Date Received: 11/30/2022 11:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/30/2022 11:00:00AM, under the Project Name: Rio Blanco 33 Fed 2.

The analytical test results summarized in this report with the Project Name: Rio Blanco 33 Fed 2 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,

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Sample Summary	e Summary
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		Sample Sum	mary		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Rio Blanco 33 Fed 01058-0007 Heather Woods	2	Reported: 12/05/22 11:02
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 @ 5	E211173-01A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH05 @ 5	E211173-02A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
BH06 @ 3.5	E211173-03A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H08 @ 2	E211173-04A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H03 @ 5	E211173-05A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H05 @ 0	E211173-06A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H02 @ 5	E211173-07A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H07 @ 5	E211173-08A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H09 @ 3	E211173-09A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H10 @ 0	E211173-10A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H09 @ 2	E211173-11A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H08 @ 0	E211173-12A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H09 @ 0	E211173-13A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H03 @ 0	E211173-14A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H04 @ 0	E211173-15A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H04 @ 1	E211173-16A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H10 @ 3	E211173-17A	Soil	11/28/22	11/30/22	Glass Jar, 4 oz.
H02 @ 0	E211173-18A	Soil	11/28/22	11/30/22	Glass Jar, 2 oz.



	N	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 0103	Blanco 33 Fed 2 58-0007 ther Woods	2		Reported: 12/5/2022 11:02:10AM
		BH08 @ 5				
		E211173-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
oluene	ND	0.0250	1	11/30/22	12/01/22	
-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
urrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		106 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249042
Chloride	434	20.0	1	11/30/22	12/01/22	

Sample Data



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed 2	2		
201 S Halagueno St.	Project Numbe	er: 0103	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH05 @ 5				
		E211173-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		111 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2249042
Chloride	36.6	20.0	1	11/30/22	12/01/22	



Sample Data

	58	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numbe	er: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
	I	BH06 @ 3.5				
		E211173-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/01/22	
Surrogate: n-Nonane		109 %	50-200	12/01/22	12/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	50.7	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH08 @ 2				
		E211173-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		110 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	106	20.0	1	11/30/22	12/01/22	



Sample Data

	50	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	er: 0105	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH03 @ 5				
		E211173-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		106 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249042
Chloride	277	20.0	1	11/30/22	12/01/22	



Sample Data

	0	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	:: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	ber: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH05 @ 0				
		E211173-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Foluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		107 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	56	ample D	ลเล				
Souder Miller Associates - Carlsbad	Project Name:		Blanco 33 F	ed 2			
201 S Halagueno St.	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods				12/5/2022 11:02:10AM
		BH02 @ 5					
		E211173-07					
		Reporting					
Analyte	Result	Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2249040
Benzene	ND	0.0250	1	11	/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11	/30/22	12/01/22	
Toluene	ND	0.0250	1	11	/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11	/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11	/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11	/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11	/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11	/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11	/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12	/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12	/01/22	12/02/22	
Surrogate: n-Nonane		109 %	50-200	12	/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2249042
Chloride	1020	20.0	1	11	/30/22	12/01/22	



Sample Data

	0	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH07 @ 5				
		E211173-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		107 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2249042
Chloride	51.3	20.0	1	11/30/22	12/01/22	



Sample Data

	0	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 010	58-0007	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH09 @ 3				
		E211173-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		113 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	3	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	oer: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Mana	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH10 @ 0				
		E211173-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
urrogate: n-Nonane		103 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Feo	12		
201 S Halagueno St.	Project Numb	er: 0103	58-0007	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH09 @ 2				
		E211173-11				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		109 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2249042
Chloride	39.4	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	er: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH08 @ 0				
		E211173-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		115 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ata			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numb	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH09 @ 0				
		E211173-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
o-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		111 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ata			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed	2		
201 S Halagueno St.	Project Numbe	er: 010	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH03 @ 0				
		E211173-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	68.8	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	208	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		113 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name	: Rio	Blanco 33 Fed 2			
201 S Halagueno St.	Project Numb	er: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH04 @ 0				
		E211173-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Foluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		102 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2249042
Chloride	ND	20.0	1	11/30/22	12/01/22	



Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	: Rio	Blanco 33 Fed 2	2		
201 S Halagueno St.	Project Numb	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			12/5/2022 11:02:10AM
		BH04 @ 1				
		E211173-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		110 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2249042
Chloride	191	20.0	1	11/30/22	12/01/22	



Sample Data

	52	ample D	ata			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed 2			
201 S Halagueno St.	Project Numbe	er: 0105	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods			12/5/2022 11:02:10AM
		BH10 @ 3				
		E211173-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
p,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Total Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		111 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2249042
Chloride	64.5	20.0	1	11/30/22	12/01/22	

Sample Data

	50	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	Blanco 33 Fed 2 58-0007 ther Woods			Reported: 12/5/2022 11:02:10AM
		BH02 @ 0				
		E211173-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2249040
Benzene	ND	0.0250	1	11/30/22	12/01/22	
Ethylbenzene	ND	0.0250	1	11/30/22	12/01/22	
Toluene	ND	0.0250	1	11/30/22	12/01/22	
p-Xylene	ND	0.0250	1	11/30/22	12/01/22	
o,m-Xylene	ND	0.0500	1	11/30/22	12/01/22	
Fotal Xylenes	ND	0.0250	1	11/30/22	12/01/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2249040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/22	12/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/30/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2249047
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
Surrogate: n-Nonane		113 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2249042
Chloride	87.2	20.0	1	11/30/22	12/01/22	



QC Summary Data

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Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:	01	io Blanco 33 1 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	Н	eather Woods					12/5/2022 11:02:10AM
		Volatile O	rganics l	by EPA 802	21B				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 (2249040-BLK1)							Prepared: 1	1/30/22 A	nalyzed: 12/01/22
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	8.01		8.00		100	70-130			
LCS (2249040-BS1)							Prepared: 1	1/30/22 A	nalyzed: 12/01/22
Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.3	70-130			
oluene	4.87	0.0250	5.00		97.4	70-130			
-Xylene	5.01	0.0250	5.00		100	70-130			
o,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			
Matrix Spike (2249040-MS1)				Source:	E211173-01		Prepared: 1	1/30/22 A	nalyzed: 12/01/22
Benzene	5.07	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.49	0.0250	5.00	ND	110	61-133			
Toluene	5.50	0.0250	5.00	ND	110	61-130			
p-Xylene	5.65	0.0250	5.00	ND	113	63-131			
o,m-Xylene	11.1	0.0500	10.0	ND	111	63-131			
Total Xylenes	16.8	0.0250	15.0	ND	112	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			
Matrix Spike Dup (2249040-MSD1)				Source:	E211173-01		Prepared: 1	1/30/22 A	nalyzed: 12/01/22
Benzene	4.43	0.0250	5.00	ND	88.5	54-133	13.6	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133	14.4	20	
oluene	4.77	0.0250	5.00	ND	95.4	61-130	14.2	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131	14.7	20	
,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	14.1	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	14.3	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			
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QC Summary Data

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Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		io Blanco 33 F 1058-0007	ed 2				Reported:
Carlsbad NM, 88220		Project Manager:	Н	eather Woods					12/5/2022 11:02:10AM
	No	onhalogenated O	rganics	by EPA 801	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 (2249040-BLK1)							Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			
LCS (2249040-BS2)							Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.8	70-130			
Matrix Spike (2249040-MS2)				Source:	E211173-()1	Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			
Matrix Spike Dup (2249040-MSD2)				Source:	E211173-()1	Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	2.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

		QU D	umm	ary Date					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	Rio Blanco 33 I)1058-0007 Heather Woods	Fed 2				Reported: 12/5/2022 11:02:10AM
	Nonh	alogenated Org	anics by	v EPA 8015I) - 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 (2249047-BLK1)							Prepared: 1	2/01/22 A	Analyzed: 12/01/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	53.1		50.0		106	50-200			
LCS (2249047-BS1)							Prepared: 1	2/01/22 A	Analyzed: 12/01/22
Diesel Range Organics (C10-C28)	248	25.0	250		99.0	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			
Matrix Spike (2249047-MS1)				Source:	E211173-	05	Prepared: 1	2/01/22 A	Analyzed: 12/01/22
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			
Matrix Spike Dup (2249047-MSD1)				Source:	E211173-	05	Prepared: 1	2/01/22 A	Analyzed: 12/01/22
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	38-132	2.11	20	
Surrogate: n-Nonane	52.3		50.0		105	50-200			



QC Summary Data

		$\chi \sim 2$, <u> </u>					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(Rio Blanco 33 I 01058-0007 Heather Woods					Reported: 12/5/2022 11:02:10A
		Anions	by EPA	300.0/90564	۸				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 (2249042-BLK1) Chloride	ND	20.0					Prepared: 1	1/30/22 A	Analyzed: 12/01/22
LCS (2249042-BS1)							Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Chloride	273	20.0	250		109	90-110			
Matrix Spike (2249042-MS1)				Source:	E211173-()1	Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Chloride	715	20.0	250	434	112	80-120			
Matrix Spike Dup (2249042-MSD1)				Source:	E211173-()1	Prepared: 1	1/30/22 A	Analyzed: 12/01/22
Chloride	693	20.0	250	434	104	80-120	3.03	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.



Souder Miller Associates - Carlsbad	Project Name:	Rio Blanco 33 Fed 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/05/22 11:02

ND	Analyte NOT DETECTED at or above the reporting limit
1.12	rinaryte no r beree reb at or above the 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.



	Chain of Cus	stody							52	e	Page 3 of 4
Project: PLD Blanco 331 Project: PLD Blanco 331 Project Manager: Heather Lu	ICity, State, Zip		Lab V	vo≓ Z/II		0	nly , Numbe 058-00 alysis and	207	TAT 10 30		PA Program CWA SDWA State NM CO UT AZ
<u>City, State, Zip Card, Sbad, M</u> <u>Phone:</u> <u>Email:</u> <u>Report due by:</u>	M 683 2D Phone: Email:	Lab	DRO/ORO by 8015	GRO/DRO by 8015	RTEX by 8021	VOC. by 8260	Metals 00.0 Chloride 300.0		BGDDC - NM	BGDOC - 1 X	TX OK
Time Date Netrix Containers	Sample ID	Number	ŝ	15	8	5	2 0		X	-	
11/28/1203 5 1	BH08@5	2	1						×		2
11/28/1123 5 1	BHOS@5	3	1						×		
11/28/137 5 1	BH06(23.5	4							X		
11/28 1157 5 1	BHORE 2	5	1						X		
11/28/1053 5 1	BHUSES	4							X		
11/28/1114 5	BHOSED BILOS@5	7							X		
11/28 1149 S 1	BHOT@5	8			1				X		
11/28 1337 5 1	BHDQQ 3	9			1	+			×		
11/28 1341 S 1	BHIDQO	10							. 1		
Additional Instructions:	the same is a marker of the same interview of the same interview of the same interview of the same is	Ma location, date	e or f	S	ch	lea		CDC uiring therm ked in ice a		10006 0 001 1622 04	on te the day they are sampled or n is 't on subsequent days
time of collection is considered fraud and may be g	Date 28 22 1030 Received by: (Signature)	Date	9.2	2	me 09(me	Desche U	Receiv	red on	ice: ζ	Y N	
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	A - Aqueous, O - Other	Con	ainer	Type: ent or d	g - g	lass, p				glass, v - VC or the analysis	A of the above samples is applicable
Sample Matrix: 5 - 504, 500 - 504, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500 - 500, 500,	A - Aqueous, O - Other	for on the r	eport								
envire	otech						88				

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M28 325 S I BH09@2 III IV	Time Date Matrix Lontainers	Sample ID		DHO/	GRO,	DTEX	VOC.	Chilo	-	BGL		
Image: Normal control of the same is the control of the same control of the		BHDGQ 2	11					++++		$\left \right $		
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Relinquished by: Signature) Date Time Regived by: Signature) Date Time AVG Temp °C Time AVG Temp °C Time Time Time Time Time Time Time Time Time AVG Temp °C Time		Date Time Received by, Orginator - 1	- It'	19-2	2	09	100	Received or	n ice:			ιγ
Relinquished by: (SignatUre) Date AVG Temp C Relinquished by: (SignatUre) AVG Temp C Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, 0 - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, 0 - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hatardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the slowe samples is application to the amount paid for on the report. Note: Samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	Minula	Date Time Regeived by: (Signature)	EII	30/2			0	T1		<u>12</u> 7		<u>T3</u>
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, U - Other	Relinquished by: (Signature)	Date	Con	tainer	Type:	g•g	lass, p			or glass	s, v - VOA analiysis of	the soove samples is application
ony to those samples received of in a second s	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludg Note: Samples are discarded 30 days after r	e. A - Aqueous, O - Other esults are reported unless other arrangements are made - Hatardous samples in the bir COC - The liability of the laboratory is limited to the amount parts	will be return	ed to cli	ient or d	lispos	ed of at t	në Client expense	me epon			
	ony to those samples received by me						85	ž				

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	Souder Miller Associates - Carlsbad Da	te Received:	11/30/22 11	:00	Work Order I	D: E211173
Phone:	(575) 200-5443 Da	te Logged In:	11/30/22 09	:53	Logged In By	: Caitlin Christian
Email:	Du	e Date:	12/06/22 17	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match t	he COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: U	JPS	
4. Was th	e COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	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		Comn	nents/Resolution
Sample [<u> Furn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Rio Blanco 3	3 Fed 2 has been
Sample	Cooler				separated into 2 repo	rts. Workorders are as
7. Was a	sample cooler received?		Yes		follows: E211172 &	E211173. Received
8. If yes,	was cooler received in good condition?		Yes		extra sample BH02 (
9. Was th	e sample(s) received intact, i.e., not broken?		Yes		-	a 0. Chefit asked to
10. Were	custody/security seals present?		No		add sample to COC.	
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	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	perature: 4°	С			
	Container		<u> </u>			
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	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 of the minimum	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation the control of the semples were preserved as the semp	muod?	N-			
	the COC or field labels indicate the samples were prese ample(s) correctly preserved?	iveu?	No NA			
	ample(s) correctly preserved?	le?	NA No			
		13 :	INO			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?	10	No			
27. If yes	s, does the COC specify which phase(s) is to be analyzed	17	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No			
			NA			

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



envirotech Inc.

•
Released		Chain of	Custody		52	Page 3 of 4
to Imagi	ient: Souder Mullen + Associates oject: Rid Blanco 33 Fed 2 oject: Manager: Heather Woods City, State		Lab	Lab Use Only, WO# Job Numb EZIII73 0/058-0 Analysis ar	0007 10 30 RCRA	PA Program CWA SDWA State NM CO UT AZ
1/12/202	oject Manager: HPILTHER LETTERS dress: D.S. Halaouuno tv, State, Zip Curl Sback, IVM 88320 hone: mail: eport due by:		Lab Number	GRO/DRO by 8015 NTEX by 8021 VOC. by 8260 Metals 6010 Chloride 300.0	BGDDC - NM BGDDC - 1X	X TX OK Remarks
1:36:	Time Date Matrix Ne Containers Sample ID		Number	GRC BTE VOI Chi	X 110	
13 A)	128 1203 5 1 BH08@5		1		X	
M	11/28 1123 S 1 BH05@5		2		X	
	11/28/1137 S 1 BHOLD 3.5		3		X	
	11/28/1157 S 1 BH08@ 2		4		X	
	11/28/1053 S 1 BH03@5				X	
	11/28/114 S 1 BHOSEO		U 7		X	
	11/28/1041 5 1 BHOZ@5		2		X	
	11/28 1149 S 1 BHOT@5		9		X	
	11/28 1337 5 1 BHOG@3		10		X	
	11/28 1341 S 1 BHIDGO			Schlea C	peorgeann C	rodman
	Additional Instructions: <u>Additional Instructions</u> : <u>Additional Instructions</u> : <u>Add</u>	with or intentionally mislabelling the sam	nple location. date or	Samples n received ;	ouring thermal preservator must be received o acked in ice at an aug temp above 0 but fess than	mice the day they are sampled or 5°C on subsequent days
	time of collection is considered fraud and may be grounds for legal action. Sampled by	eceived by: (Signature)	Date 11-29-2		ved on ice: Y/ N	ily
	Date Time R	Middle K. My	Date	77 11:00 T1	T2	<u>T3</u>
		Acceived by: (Signature)	Date	Time	Temp °C	
	Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangem		Containe	r Type: g - glass, p - poly/pl	astic, ag - amber glass, v - VOA	A f the above samples is applicable
	Sample Matrix: 5- 501, 50 - 5010, 45 00-50 Note: Samples are discarded 30 days after results are reported unless other arrangem only to those samples received by the laboratory with this COC. The liability of the la	nents are made Hatardous sample aboratory is limited to the amount p	aid for on the report			
	envirotech					
•		Pag	ge 32 of 33			

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6 Imaging: 1/12/2023 11:3	biect: RID DRUITED Address: biect: Manager: Pecthox (2000) dress: 201 State Address: bone: mail: port due by: Time Date Matrix Ne sampled Sampled Matrix Sample ID 1/28 1335 S I BH09@ 2 1/28 1335 S I BH09@ 0 1/28 1335 S I BH09@0	 		GRO/DRO IN 8015 ВТЕХ by 8021	O Use Only , Job Nun OIOS Analysis U000 Manalysis	and N'ethod	XL- JOOG 208	Page 4 of 4
	11/28/1044 5 1 BH03@0 11/28/1057 5 1 BH04@0		5				X	
	11/28/1059 S 1 BHOY@1	and the second se	47				X	
	11/28/351 S 1 BH10@3		18	++			X	
	1/28/1030 5 01102000	extra Sample.						
	Direct Ooked -	to add to cac 1	1/30/20					
	Additional Instructions: Additional Instruc	with printentionally mislabelling the graphe locati	LOVER	ann	Sample	es requiring thermal preser ed packed in ice at an avg ti	Lab Use On	
	Relinquished by Signature) Relinquished by Signature) Mi (1, tul) (B) II 2822 (030) Date II-29-72 (600)	Received by: (Signature) MUUUL . ULS Regeived by: (Signature) Acceived by: (Signature) Received by: (Signature)	1-29-2 Date 11-30 10 Date	Time		ceived on ice:	Q/ N T2	<u></u> <u>T3</u>
	Reinquished by: (Signature)		Container	Type: g - g		/G Temp °C	er glass, v - VOA	the above samples is applicable
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrange only to those samples received by the laboratory with this COC. The liability of the	ments are made. Hatardous samples will be a laboratory is limited to the amount paid for o	returned to cli	ent or dispos	ed of at the clien	it expense inerapo		
	envirotech	Page 33						

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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

Souder Miller Associates - Carlsbad

Project Name:

Rio Blanco 33 Fed 2

Work Order: E212056

Job Number: 01057-0007

Received: 12/9/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/12/22

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: 12/12/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Rio Blanco 33 Fed 2 Workorder: E212056 Date Received: 12/9/2022 10:40:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2022 10:40:00AM, under the Project Name: Rio Blanco 33 Fed 2.

The analytical test results summarized in this report with the Project Name: Rio Blanco 33 Fed 2 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		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Rio Blanco 33 Fed 2 01057-0007 Heather Woods	2	Reported: 12/12/22 16:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11 @ 0	E212056-01A	Soil	12/06/22	12/09/22	Glass Jar, 2 oz.
3H11 @ 1	E212056-02A	Soil	12/06/22	12/09/22	Glass Jar, 2 oz.
BH11 @ 3	E212056-03A	Soil	12/06/22	12/09/22	Glass Jar, 2 oz.
3H11 @ 4.5	E212056-04A	Soil	12/06/22	12/09/22	Glass Jar, 2 oz.
3H12 @ 0	E212056-05A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
3H12 @ 1	E212056-06A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH12 @ 3	E212056-07A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH12 @ 5	E212056-08A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
3H13 @ 0	E212056-09A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
3H13 @ 1	E212056-10A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH13 @ 3	E212056-11A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH13 @ 5	E212056-12A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH14 @ 0	E212056-13A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH14 @ 1	E212056-14A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH14 @ 3	E212056-15A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH14 @ 5	E212056-16A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.



	5	ampic D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH11 @ 0				
		E212056-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2250090
Chloride	ND	20.0	1	12/09/22	12/09/22	

Sample Data



Sample Data

	D.	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name		Blanco 33 Fed	2		D ()
201 S Halagueno St.	Project Numb		57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
Carlsbad NM, 88220	Project Manag	ger: Hea	ther woods			12/12/2022 4:28:27PM
		BH11 @ 1				
		E212056-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		106 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2250090
Chloride	203	20.0	1	12/09/22	12/09/22	



Sample Data

	0	ampie D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 010	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH11 @ 3				
		E212056-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		109 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2250090
Chloride	37.6	20.0	1	12/09/22	12/09/22	



Sample Data

	D	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
]	BH11 @ 4.5				
		E212056-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
thylbenzene	ND	0.0250	1	12/09/22	12/10/22	
oluene	ND	0.0250	1	12/09/22	12/10/22	
-Xylene	ND	0.0250	1	12/09/22	12/10/22	
,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
otal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
urrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2250087
asoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	12/09/22	12/10/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
urrogate: n-Nonane		112 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2250090
Chloride	42.1	20.0	1	12/09/22	12/09/22	



Sample Data

	D.	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 010:	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH12 @ 0				
		E212056-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2250090
Chloride	361	20.0	1	12/09/22	12/09/22	



Sample Data

	0	ampie D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH12 @ 1				
		E212056-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		107 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2250090
Chloride	1510	20.0	1	12/09/22	12/09/22	



Sample Data

	6	ample D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	Blanco 33 Fed 2 57-0007 ther Woods	2		Reported: 12/12/2022 4:28:27PM
		BH12 @ 3				
		E212056-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
urrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Gurrogate: n-Nonane		110 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250090
Chloride	432	20.0	1	12/09/22	12/09/22	



Sample Data

	0	ampie D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH12 @ 5				
		E212056-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		102 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2250090
Chloride	226	20.0	1	12/09/22	12/09/22	



Sample Data

	50	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0103	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH13 @ 0				
		E212056-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		108 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2250090
Chloride	26.0	20.0	1	12/09/22	12/09/22	



Sample Data

	5	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 0103	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH13 @ 1				
		E212056-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2250090
Chloride	152	20.0	1	12/09/22	12/09/22	



Sample Data

	D	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 0105	Blanco 33 Fed 57-0007 ther Woods	2		Reported: 12/12/2022 4:28:27PM
		BH13 @ 3				
		E212056-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2250090
Chloride	226	20.0	1	12/09/22	12/09/22	



Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0103	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
	-	BH13 @ 5				
		E212056-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Foluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Gurrogate: n-Nonane		112 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2250090
Chloride	523	20.0	1	12/09/22	12/09/22	



Sample Data

	50	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fec	12		
201 S Halagueno St.	Project Numbe	er: 0103	57-0007		Reported:	
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods			12/12/2022 4:28:27PM
		BH14 @ 0				
		E212056-13				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Foluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/10/22	
Surrogate: n-Nonane		109 %	50-200	12/09/22	12/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2250090
Chloride	ND	20.0	1	12/09/22	12/09/22	



Sample Data

	56	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Rio	Blanco 33 Fed 2			
201 S Halagueno St.	Project Numbe	er: 0105	57-0007		Reported:	
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods			12/12/2022 4:28:27PM
		BH14 @ 1				
	-	E212056-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	vst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Foluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	vst: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	vst: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/10/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/10/22	
Surrogate: n-Nonane		114 %	50-200	12/09/22	12/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	vst: KL		Batch: 2250090
Chloride	171	20.0	1	12/09/22	12/09/22	



Sample Data

	56	imple D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0105	Blanco 33 Fed 2 7-0007 her Woods			Reported: 12/12/2022 4:28:27PM
	-	BH14 @ 3				
	-	E212056-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/10/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/10/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2250090
Chloride	171	20.0	1	12/09/22	12/09/22	



Sample Data

	56	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	Blanco 33 Fed 2 57-0007 ther Woods			Reported: 12/12/2022 4:28:27PM
		BH14 @ 5				
		E212056-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: SL		Batch: 2250087
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
p-Xylene	ND	0.0250	1	12/09/22	12/10/22	
o,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Fotal Xylenes	ND	0.0250	1	12/09/22	12/10/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2250087
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2250083
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/10/22	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/10/22	
Surrogate: n-Nonane		110 %	50-200	12/09/22	12/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2250090
Chloride	588	20.0	1	12/09/22	12/09/22	



QC Summary Data

		QU DI		ing Dut					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	io Blanco 33 l 1057-0007 eather Woods					Reported: 12/12/2022 4:28:27PM
Carisbau Nivi, 88220		, 0							12/12/2022 4.20.2/11
		Volatile O			Analyst: SL				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250087-BLK1)							Prepared: 1	2/09/22 A	nalyzed: 12/10/22
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	7.78	010200	8.00		97.3	70-130			
LCS (2250087-BS1)							Prepared: 1	2/09/22 A	nalyzed: 12/10/22
Benzene	4.83	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.4	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			
Matrix Spike (2250087-MS1)				Source:	E212056-	02	Prepared: 1	2/09/22 A	nalyzed: 12/10/22
Benzene	4.16	0.0250	5.00	ND	83.3	54-133			
Ethylbenzene	4.27	0.0250	5.00	ND	85.4	61-133			
Toluene	4.37	0.0250	5.00	ND	87.4	61-130			
o-Xylene	4.42	0.0250	5.00	ND	88.5	63-131			
p,m-Xylene	8.66	0.0500	10.0	ND	86.6	63-131			
Total Xylenes	13.1	0.0250	15.0	ND	87.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			
Matrix Spike Dup (2250087-MSD1)				Source:	E212056-	02	Prepared: 1	2/09/22 A	nalyzed: 12/10/22
""""""""""""""""""""""""""""""""""""""			5.00	ND	91.1	54-133	8.99	20	
	4.55	0.0250							
Benzene	4.55 4.68		5.00	ND	93.5	61-133	9.04	20	
Benzene Ethylbenzene		0.0250 0.0250 0.0250			93.5 95.6	61-133 61-130	9.04 9.06	20 20	
Benzene Ethylbenzene Toluene	4.68	0.0250 0.0250	5.00	ND					
Benzene Ethylbenzene Toluene o-Xylene	4.68 4.78	0.0250 0.0250 0.0250	5.00 5.00	ND ND	95.6	61-130	9.06	20	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	4.68 4.78 4.83	0.0250 0.0250	5.00 5.00 5.00	ND ND ND	95.6 96.6	61-130 63-131	9.06 8.78	20 20	



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		io Blanco 33 F 1057-0007	Fed 2				Reported:
Carlsbad NM, 88220		Project Manager:	Н	eather Woods					12/12/2022 4:28:27PM
	No	onhalogenated O	rganics	by EPA 801	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250087-BLK1)							Prepared: 1	12/09/22	Analyzed: 12/10/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2250087-BS2)							Prepared: 1	12/09/22 A	Analyzed: 12/10/22
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.1	70-130			
Matrix Spike (2250087-MS2)				Source:	E212056-	02	Prepared: 1	12/09/22 A	Analyzed: 12/10/22
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			
Matrix Spike Dup (2250087-MSD2)				Source:	E212056-	02	Prepared: 1	12/09/22 A	Analyzed: 12/10/22
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	Rio Blanco 33 H 01057-0007 Heather Woods	Fed 2				Reported: 12/12/2022 4:28:27PM
Calisbau IVII, 88220		Toject Manager.	1	Icatilei woods					12/12/2022 4.20.271 M
	Nonh	alogenated Org	anics by	7 EPA 8015I) - 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 (2250083-BLK1)							Prepared: 1	2/09/22 A	Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.4		50.0		115	50-200			
LCS (2250083-BS1)							Prepared: 1	2/09/22 A	Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2250083-MS1)				Source:	E212056-	07	Prepared: 1	2/09/22 A	Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike Dup (2250083-MSD1)				Source:	E212056-	07	Prepared: 1	2/09/22 A	Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.32	20	
Surrogate: n-Nonane	55.0		50.0		110	50-200			



QC Summary Data

		C	-							
Souder Miller Associates - Carlsbad		Project Name:	R	io Blanco 33 I	Fed 2				Reported	:
201 S Halagueno St.		Project Number:	0	1057-0007						
Carlsbad NM, 88220		Project Manager:	H	leather Woods					12/12/2022 4:28	8:27PM
		Anions	by EPA	300.0/9056	A				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2250090-BLK1)							Prepared:	12/09/22	Analyzed: 12/09	/22
Chloride	ND	20.0								
LCS (2250090-BS1)							Prepared:	12/09/22	Analyzed: 12/09	/22
Chloride	266	20.0	250		106	90-110				
Matrix Spike (2250090-MS1)				Source:	E212056-0	1	Prepared:	12/09/22	Analyzed: 12/09	/22
Chloride	280	20.0	250	ND	112	80-120				
Matrix Spike Dup (2250090-MSD1)				Source:	E212056-0	1	Prepared:	12/09/22	Analyzed: 12/09	/22
Chloride	278	20.0	250	ND	111	80-120	0.822	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.



Souder Miller Associates - Carlsbad	Project Name:	Rio Blanco 33 Fed 2	
201 S Halagueno St.	Project Number:	01057-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/12/22 16:28

ND	Analyte NOT DETECTED at or above the reporting limit
1.12	inalyte no r bbrbe rbb at or above the 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.



ject Information		a l			Lat	o Use	Only		21	Day	EF	A Program	n
ent: Souder Millen + A oject: Pip Blanco 33 F oject Manager: HPA FMEN U	Attention: DUUM		Lab V		205	500	NOS	s and Neth	od	3D	RCRA	CWA Sta NM CO	SDWA
Idress: DI Curshad Am ty, State, Zip Curshad Am mail: eport due by: Time Date Matrix Me	N88770 Email: W04-20987307	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC. by 8260	Metals 6010	Chilolitle 300.0	BGDOC • NM	8GDOC - 1X		X TX OK	narks
Sampled Sampled Conserver	BHILQO	1							X	$\left\{ - \right\}$			
110 12/4 S 1	BHILQI	2			-			_	X				
1113 12/10 5 1	BH11@3	3	+						>	(
111612651	BH11@4.5 BH12@0	5	-)	l			
114812751	BH12@0 BH12@1	0)				
1150 127 J	BHIZ@3	7	-		-					×			
1155 127 5 1	BH12@5	8	-			+				×	++		
115712751	BHI3QO	IC	5	+	+					X			
Additional Instructions: <u>Please</u> Sena Ha <u>Cred sempler</u> , attest to the validity and authentic	BHI3Q Heather woods Savahw chy of the samele. I am aware that tampering with or intentionally mislabelling the sample the local action Sameled avi	May beation. date	e or	h	100	<u>د</u> (540 540	DY GLC ples reput ther ensed packed in ice	annal preserv atan aug ter	n t spane O t	Der less ser	the day they	n davi
time of collection is considered fraud and may be a	Date Time Received by: (Signature)	Date	8.2	2	me	30		eceived or	n ice:		Use On N		
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Relinquished BY: (Signature) Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge Note: Samples are discarded 30 days after ri priny to those samples received by the labor	e, A - Aqueous, O - Other esuits are reported unless other arrangements are made. Hatardous samples w atory with this COC. The liability of the laboratory is limited to the amount pair	Cont	d to cli	Type:	g · g	lass, p				er glass, t for the a	, v - VOA anal vsis of	the spove sar	rpies is ap

oject Information											Page	2 of
the information	Chain of Custody							20	hi	1		
DIECUTIONTACO				1.25	o Use	Joly	-	TA	TI	EF	A Progra	m
the source the sociates	Bill To		104	Ldi	11030	b Nun	nber	ID	3D	RCRA	CWA	SDWA
ient: Spider Miller + Asociates	Attention: Del YM	Lab	212	05	100	1059	-0007					
DIPCI NU DIVELLE	Address:	FC	1616	ŝ	A	alysis	and Metho	d				ut AZ
oject Manager: HPAHNON WOOCLS ddress: 201 S. Halaqueho ity, State, Zip Carlsbad NM 98220	City, State, Zip	-			1							01 12
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mail: Report due by:	Lab	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GRO/DRO hy 8015	BTEX by 8021	VOC. by 8260	Metals 6010 Chirulde 300.0		BGDOC - NM	8GDOC - 1X		Re	marks
- Date No Sample ID	Numbe	r	GRC	DTE	NON N	Me		BG	BG			
Time Date Matrix Containers Sample 10								V				
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1700 117 S BH13	(a) 3	-	1					N				
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1202 1217 S BH 13	105	1		1				X				
1203 127 3 1 00 15	13							V	1			
12051217 SIBHIL	100		1					X				
1205 12 7 3 1 15415	191							1	-			
12010127 S 1 BHI	1(0)	-	1					X				
1000 1 0111	163							/	-			
1208 127 S 1 BHI	105	2						X				
BHI BHI	105			1_					+	++		
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Additional Instructions: to Heath	er woods, Sarahmay S	XII	VEL	$\Delta +$	U.	Sample	es reputing them	ta, bietsura	tor aus	c be received o	the the day the	iv are sampled of sent days
RUPUSE sharelidity and authenticity of this sample.	am aware that tampering with or intentionally mislabelling the sample location, d	ie or				recent	ed packed in ice a	rtan aug ten	ut soove	O DEL PESSION		
, (faid sampler), attest to the sampler and may be grounds for lega actu time of collection is considered fraud and may be grounds for lega actu			TT	ime					La	b Use Or	aly	
time of toilection is considered inter Date	Time Received by: (Signature)	-8-			130	Rec	ceived on	ice:	(Y)	/ N		
Relinquished by: (Signature)	345 Midell Gys 12			-			neticiotali 2		9		100 Marco	
Relinquished by: (Signature) Date	Time Bedewed by (Digital Uner)	219/2	ZV	(D:	40	T1			<u>12</u>		<u></u> <u>T3</u>	
Relinquished by: (Spearture) 12-8-22	1600 alla Course		-	Time				4	1			
Relinquished by: (Signature) Date	Time Received by: (Signature)		1			AV	/G Temp	°c_7				
PEndosce		ntainer	Type	:g-a	lass, p				er glas	s, v - V0/	4	ampies is aprili
	Other be returned a sill be returned and the second	ned to cl	ient or i	dispos	ed of at	the clien	it expense T	hereport	for th	e anal vsis o	r : ne 300vê 3	an hies is solari
Sample Watth, a source of the sample sample samples are reported	d unless other arrangements are made. Hatardous samples will be recailed C. The lisbility of the laboratory is limited to the amount paid for on the	report										
ony to those samples received by the end												
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envilues	- 1 1											
far a la	Page 28 of 29	9										

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Souder Miller Associates - Carlsbad	Date Received:	12/09/22 10	:40	Work Order ID: E212056
Phone:	(575) 200-5443	Date Logged In:	12/08/22 16	:58	Logged In By: Caitlin Christian
Email:	I	Due Date:	12/12/22 17	:00 (1 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	n the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IPS
4. Was th	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes		
5. Were a	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
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample #16. BH14 @ 5 Sample jar was
Sample	<u>Cooler</u>				labeled BH14 @ 4.5.
7. Was a	sample cooler received?		Yes		
8. If yes,	, was cooler received in good condition?		Yes		
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
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 n minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample to	emperature: <u>4°</u>	<u>C</u>		
	<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		
17 117	a trip blank (TB) included for VOC analyses?		NA		
17. was	a trip blank (TD) included for VOC analyses:				
	non-VOC samples collected in the correct containers?		Yes		
18. Are r		rs collected?	Yes Yes		
18. Are r	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe	rs collected?			
 18. Are r 19. Is the Field La 20. Were 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe <u>abel</u> e field sample labels filled out with the minimum inform		Yes		
 18. Are r 19. Is the Field La 20. Were 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe <u>abel</u> e field sample labels filled out with the minimum inform Sample ID?		Yes Yes		
18. Are r 19. Is the Field La 20. Were S	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe <u>abel</u> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes Yes		
18. Are r 19. Is the Field La 20. Were S I	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe ubel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes		
18. Are r 19. Is the Field La 20. Were S I C Sample 1	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe ubel 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		
 18. Are r 19. Is the Field La 20. Were S I C Sample 1 21. Does 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe tibel 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 preservation	nation:	Yes Yes Yes		
18. Are r 19. Is the Field La 20. Were S I C Sample 2 21. Does 22. Are s	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe ubel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	nation: served?	Yes Yes No No		
 18. Are r 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lab 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel 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 prese sample(s) correctly preserved? o filteration required and/or requested for dissolved me	nation: served?	Yes Yes No No NA		
 18. Are r 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lab Multiph 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel 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 press sample(s) correctly preserved? o filteration required and/or requested for dissolved me mase Sample Matrix	nation: served? tals?	Yes Yes No No NA No		
 18. Are r 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is late Multiph 26. Does 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel 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 prese sample(s) correctly preserved? o filteration required and/or requested for dissolved me	nation: served? tals? ?	Yes Yes No No NA No		
18. Are r 19. Is the Field La 20. Were S I C Sample] 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel 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 prese sample(s) correctly preserved? to filteration required and/or requested for dissolved me tase Sample Matrix s the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz	nation: served? tals? ?	Yes Yes No No NA No		
 18. Are r 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes Subcont 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? to filteration required and/or requested for dissolved me tase Sample Matrix is the sample have more than one phase, i.e., multiphase	nation: served? tals? ? ed?	Yes Yes No No NA No		

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



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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 Page 140 of 146

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

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude	
Lauluue	

(NAD 83 in decimal degrees to 5 decimal places)

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

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of 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		

Page 2

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🗌 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Dale Woodall	Title: <u>Env. Professional</u>
Signature: Dals Woodall	Date: <u>12/16/2022</u>
email: <u>dale.woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
OCD Only	
Received by:	Date:

Page 3

Oil Conservation Division

Incident ID	nOY1727241068
District RP	1RP-4829
Facility ID	
Application ID	

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Site Assessment/Characterization

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

	1
What is the shallowest depth to groundwater beneath the area affected by the release?	$\frac{282}{bgs}$ (ft
Did this release impact groundwater or surface water?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	$\Box \operatorname{Yes} \boxtimes \operatorname{No}$
watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔀 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh	
d this release impact groundwater or surface water? e the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant ttercourse? e the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the dinary high-water mark)? e the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, church? e the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used less than five households for domestic or stock watering purposes? e the lateral extents of the release within 1000 feet of any other fresh water well or spring? e the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh ther well field? e the lateral extents of the release within 300 feet of a wetland? e the lateral extents of the release overlying a subsurface mine? e the lateral extents of the release overlying an unstable area such as karst geology? e the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔀 No
	🗌 Yes 🛛 No
	🗌 Yes 🔀 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data

Data table of soil contaminant concentration data

 \boxtimes Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 12/10	5/2022 3:00:30 PM State of New Mexico				Page 143 of 140
				Incident ID	nOY1727241068
Page 4	Oil Conservation Division			District RP	1RP-4829
				Facility ID	
				Application ID	
regulations all operators public health or the envir failed to adequately invest	Joodall	tifications a OCD does 1 reat to grour of responsibi Title: Date:	nd perform co not relieve the ndwater, surfa	prrective actions for rele e operator of liability sh ce water, human health liance with any other fe essional	eases which may endanger ould their operations have or the environment. In
OCD Only					
Received by:		. I	Date:		

Received by OCD: 12/16/2022 3:00:30 PMForm C-141State of New MexicoPage 5Oil Conservation Division

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

Incident ID	nOY1727241068
District RP	1RP-4829
Facility ID	
Application ID	

Remediation Plan

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

Incident ID	nOY1727241068
District RP	1RP-4829
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 i	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name:Dale Woodall	
Signature: <u>Dala Woodall</u>	Date: <u>12/16/2022</u>
email: <u>Dale.Woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
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 or regulations.
Closure Approved by:	Date:01/12/2023
Printed Name: Jennifer Nobui	Title:Environmental Specialist A

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

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:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	167911
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	1/12/2023

CONDITIONS

Action 167911