

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

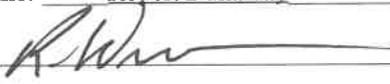
Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 1/30/23
email: rhunaway@eprod.com Telephone: 575-628-6802

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: _____

Date: _____

Printed Name: _____

Title: _____

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Form C-141
Revised August 24, 2018
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Incident ID	NAPP2228450506
District RP	
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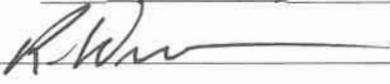
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Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 1/30/23
email: rhunaway@eprod.com Telephone: 575-628-6802

Incident ID	NAPP2228450506
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Robert Hamlet Date: 5/25/2023

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

Closure Approved by: Robert Hamlet Date: 5/25/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



January 27, 2023

#5E31002-BG11

 NMOCD District 2
 811 S. First St.
 Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the OHB to OGO Pipeline Release (nAPP2228450506), Eddy County, New Mexico

1.0 Executive Summary

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a natural gas and condensate release related to gas gathering activities at the OHB to OGO Pipeline Release. The release site is located in Section 32, Township 19S, Range 28E, Eddy County, New Mexico, on public land administered by the State of New Mexico Land Trust. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

This report demonstrates that the release area has been remediated to meet the standards of Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The information provided in this report is intended to fulfill final New Mexico Oil Conservation Division (NMOCD) closure requirements.

The gas portion of this release constitutes venting that occurred during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

SMA recommends no further action and requests that the release associated with the OHB to OGO Pipeline Release (nAPP2228450506) be closed.

Table 1: Release Information and Closure Criteria			
Name	OHB to OGO Pipeline	Company	Enterprise Field Services LLC
Incident Number	nAPP2228450506	Location	32.61564877, -104.1963315
Land Status	State of New Mexico Land Trust	Date Discovered	October 10, 2022
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	1 bbl Condensate 151 Mcf Natural Gas	Volume Recovered	0 bbl Condensate 0 Mcf Natural Gas
NMOCD Closure Criteria	<50 feet per Table 1 of 19.15.29.12 NMAC		

2.0 Background

On October 10, 2022, a natural gas and condensate release was discovered at the OHB to OGO Pipeline Release site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The initial C-141 form is included in Appendix A.

OHB to OGO Pipeline Release Closure Report January 27, 2023

Page 2 of 3

3.0 Site Information and Closure Criteria

The OHB to OGO Pipeline Release site is located approximately 11 miles north-northeast of Carlsbad, New Mexico on public land administered by the State of New Mexico Land Trust at an elevation of approximately 3,358 feet above mean sea level (amsl).

Depth to Groundwater and Wellhead Protection Area

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 no wells within ½-mile of the site. Water well documentation is included in Appendix B and registered wells in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is a stockpond located approximately 1,095 feet 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 NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

4.0 Release Characterization and Remediation Activities

Following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling on January 4 and 12, 2022.

Closure confirmation samples were collected from the excavation sidewalls and bases for laboratory analysis of 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. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix C.

The main remediation excavation measured approximately 20 feet by 28 feet with depths ranging from 18 to 26 feet.

Copies of confirmation sampling notifications are included in Appendix A. Excavation extents and closure confirmation sample locations are depicted on Figure 3. A photo log and field notes are included in Appendix D. Confirmation laboratory results are summarized in Table 3. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Excavated soils were removed and replaced with clean backfill material to return the surface to previous contours. All excavated soil was transported and disposed of at Lea Land LLC, Hobbs, New Mexico, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of the OHB to OGO Pipeline Release (nAPP2228450506).

OHB to OGO Pipeline Release Closure Report
January 27, 2023

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) 325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Sarahmay Schlea
Staff Scientist



Heather M. Woods, P.G.
Senior 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 1/26/2023

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 1/26/2023

ATTACHMENTS:

Figures:

- Figure 1: Topographic Site Map
- Figure 2: Aerial Site Map
- Figure 3: Site and Sample Location Map

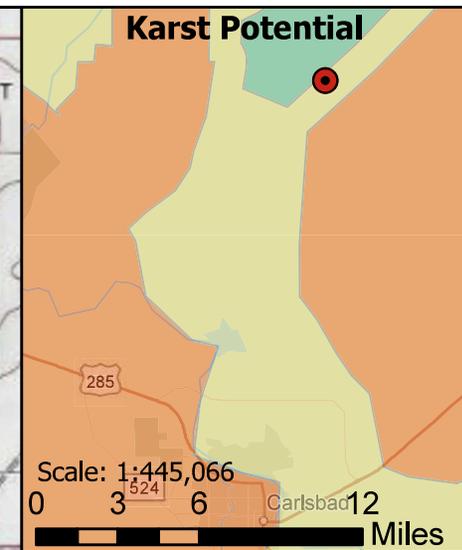
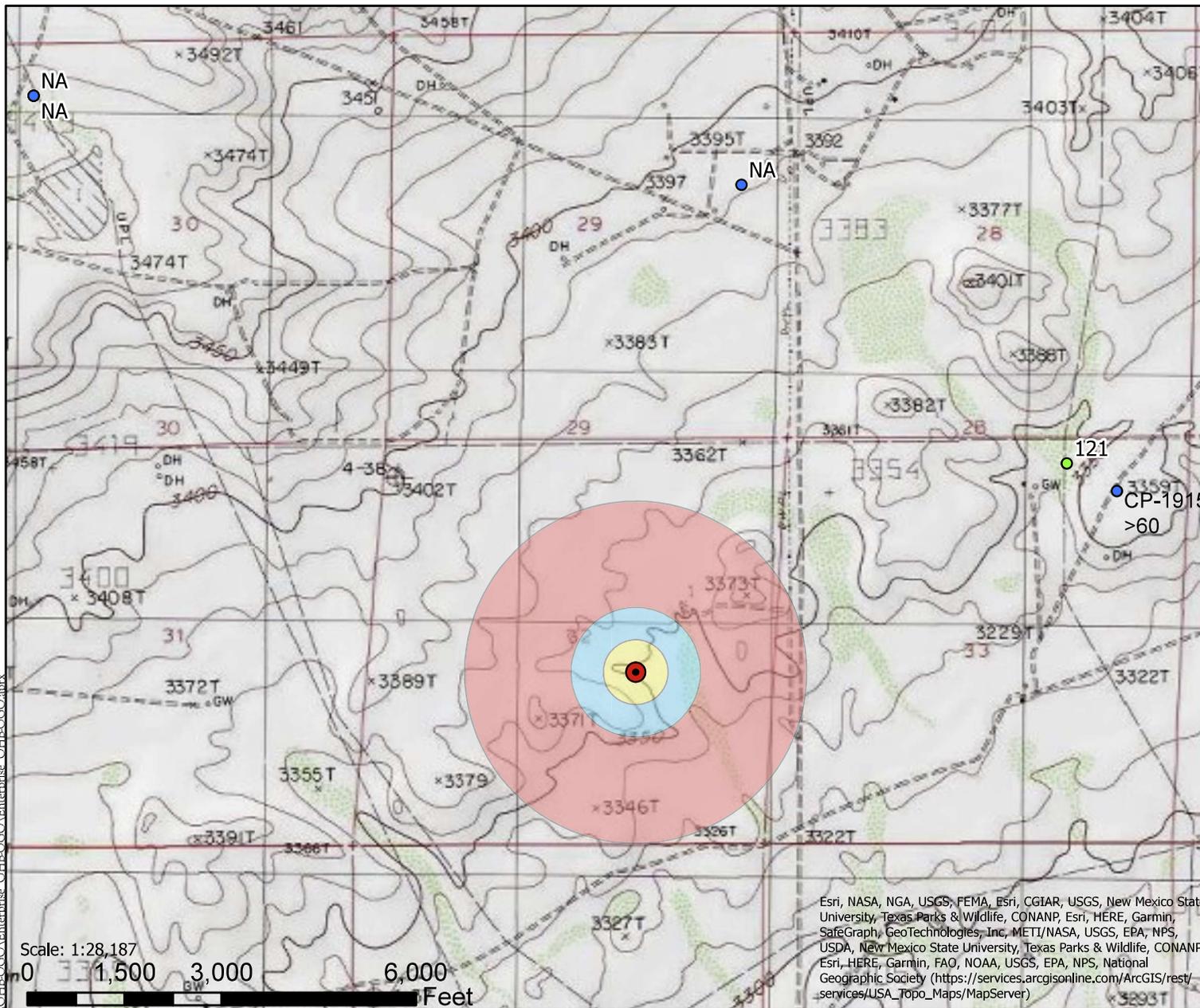
Tables:

- Table 2: NMOCD Closure Criteria
- Table 3: Summary of Laboratory Analytical Results

Appendices:

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

FIGURES



Legend

- Point of Release
- USGS GW Wells (depth in ft)
- OSE GW Wells (depth in ft)

Buffer Distance

- 500 feet
- 1000 feet
- 0.5 mile

Karst Potential

- High
- Medium
- Low

Point of Release Coordinates:
-104.1963315W 32.61564877N



Topographic Site Map
OHB to OGO Pipeline - Enterprise Field Services, LLC
S: 32 T: 19S R: 28E, Eddy County, New Mexico

Figure 1

Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn	Sarahmay Schlea
Date	1/26/2023
Checked	_____
Approved	_____



201 South Halagueno Street
Carlsbad, New Mexico 88221
(575) 689-7040
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Legend

-  Point of Release
-  Streams/Canals/Flowlines
-  Stockpond
-  0.5 Mile Radius
-  300 Foot Radius



Scale: 1:16,625



Point of Release Coordinates:
 -104.1963315W 32.61564877N

Aerial Site Map
 OHB to OGO Pipeline - Enterprise Field Services, LLC
 S: 32 T: 19S R: 28E, Eddy County, New Mexico

Figure 2

C:\Users\ss\Desktop\GIS\Enterprise\OHB\OGO\Enterprise_OHB\OGO.mxd

Date Saved:
1/26/2023

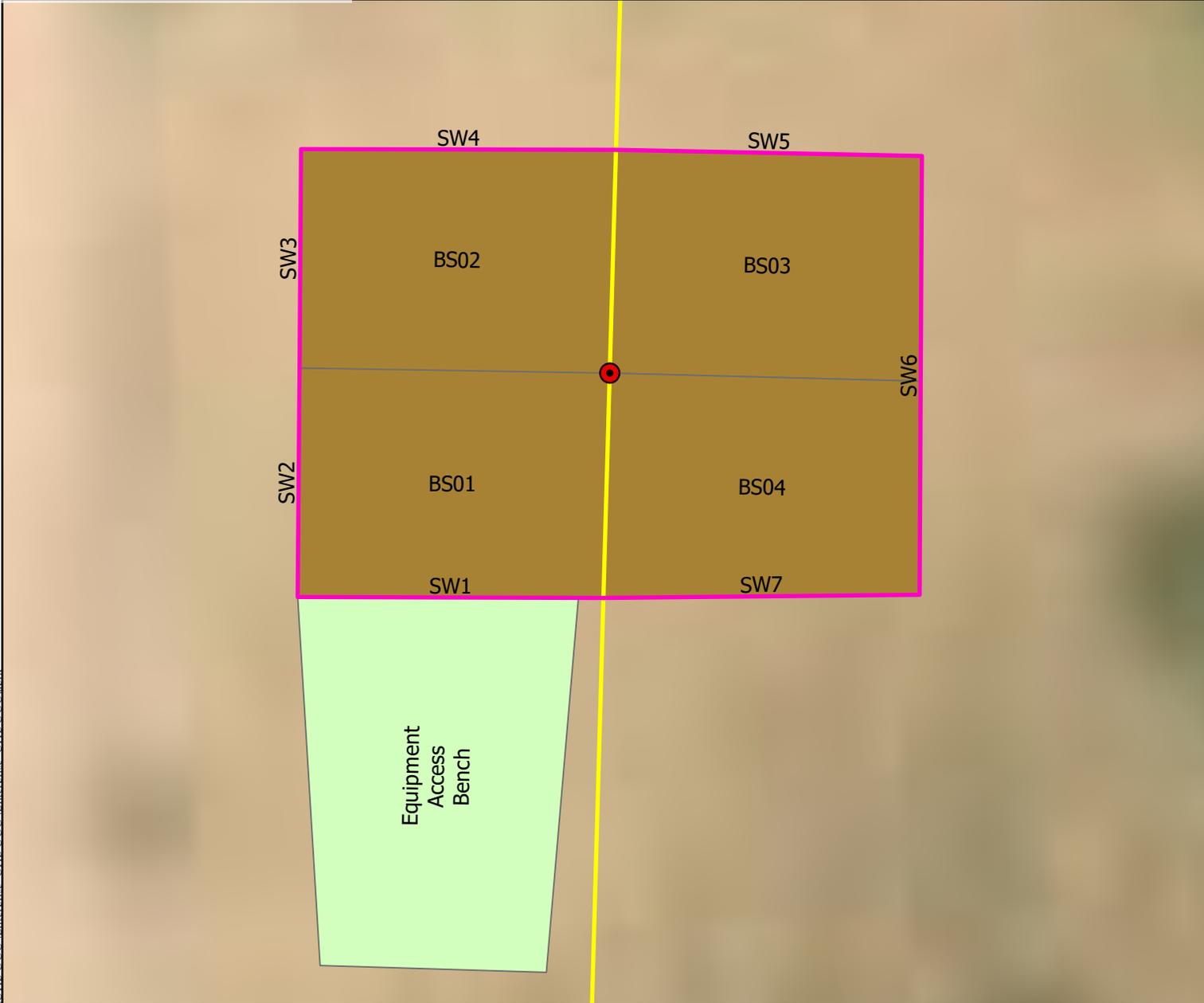
Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

Drawn	Sarahmay Schlea
Date	1/26/2023
Checked	_____
Approved	_____



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 Carlsbad, New Mexico 88221
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Legend

- Point of Release
- Sidewalls
- Enterprise Pipeline

Excavation Area

- Base Samples
- Equipment Access Bench

0 3 6 12
Feet

Scale: 1:85

N

Point of Release Coordinates:
-104.1963315W 32.61564877N

Site and Sample Location Map
 OHB to OGO Pipeline - Enterprise Field Services, LLC
 S: 32 T: 19S R: 28E, Eddy County, New Mexico

Figure 3

Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn	Sarahmay Schlea
Date	1/26/2023
Checked	_____
Approved	_____

SMA
 Souder, Miller & Associates
 Engineering & Environmental
 Geomatics

201 South Halagueno Street
 Carlsbad, New Mexico 88221
 (575) 689-7040
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TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services
OHB to OGO Pipeline

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	No Data	NMOSE and USGS Water Well Data
Horizontal Distance From All Water Sources Within 1/2 Mile	>0.5mi	NMOSE and USGS Water Well Data
Horizontal Distance to Nearest Significant Watercourse	1,095	USGS 7.5-minute Quadrangle Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water		if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	no	600	100		50	10
<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						
<300' from an occupied permanent residence, school, hospital, 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 Laboratory Analytical Results

Enterprise Field Services
OHB-OGO Pipeline

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
Excavation Confirmation Samples									
BS01	1/4/2023	26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	86.9
BS02	1/4/2023	26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS03	1/12/2023	19	<0.100	<0.0250	<20.0	43.4	<50.0	43.4	<20.0
BS04	1/4/2023	18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	78.0
SW1	1/4/2023	0 to 9	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	157
		9 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	91.7
		18 to 26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	88.8
SW2	1/4/2023	0 to 9	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		9 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	49.6
		18 to 26	0.0940	<0.0250	<20.0	<25.0	<50.0	<95.0	92.8
SW3	1/4/2023	0 to 9	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		9 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.3
		18 to 26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4	1/4/2023	0 to 9	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	28.5
		9 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		18 to 26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW5	1/4/2023	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6 to 12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		12 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW6	1/4/2023	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.7
		6 to 12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	132
		12 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	30.6
SW7	1/4/2023	0 to 6	0.0300	<0.0250	<20.0	39.1	<50.0	39.1	<20.0
		6 to 12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		12 to 18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	94.1
Sample Areas Removed by Excavation									
BS03	1/4/2023	18	0.0700	<0.0250	<20.0	50.7	62.6	113.3	<20.0

Notes: NMOCD- New Mexico Oil Conservation Division
 BTEX - benzene, toluene, ethylbenzene, and xylenes
 GRO - gasoline range organics
 DRO - diesel range organics
 MRO - motoroil range organics
 TPH - total petroleum hydrocarbons
 bgs - below grade surface
 mg/kg - milligram per kilogram
 "--" not applicable or not analyzed



APPENDIX A

FORM C-141 AND

CORRESPONDENCE

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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Oil Conservation Division
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Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2228450506
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Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhunaway@eprod.com	Incident # (assigned by OCD)	nAPP2228450506
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.61564877 Longitude -104.1963315
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	OHB to OGO Pipeline	Site Type	Gathering Pipeline
Date Release Discovered	10/10/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
J	32	19S	23E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 151	Volume Recovered (Mcf) -0-
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found a leak on a gathering pipeline, cause is to be determined. The gas portion of this release constitutes venting that occurs during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

Oil Conservation Division

Incident ID	NAPP2228450506
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please 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: <u>Robert Dunaway</u> Title: <u>Senior Environmental Engineer</u> Signature: <u></u> Date: <u>10/11/22</u> email: <u>rhunaway@eprod.com</u> Telephone: <u>575-628-6802</u>
OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>10/11/2022</u>

Release Type	Leak		120.22	Mscf
PSV Flowrate (scfm)			0.00	lbs VOC
Hole Length (in)	0.06		0.00	lbs H2S
Hole Width (in)	0.06			
Hole Diameter (in)	0.06		BLOWDOWN RELEASE TOTAL	
Pressure (psi <i>gauge</i>)	275		30.45	Mscf
Flared	No		0.00	lbs VOC
Cg	3		0.00	lbs NOx
Blowdown Inputs			0.00	lbs H2S
Pipe Length (ft)	6,336		0.00	lbs CO
Diameter (in)	4		0.00	lbs SO2
Pressure (psi)	684			
Flared	No		EVENT TOTAL (LEAK & BLOWDOWN)	
Is blowdown Part of release	Yes		150.67	Mscf
Atmospheric Input			0.00	lbs VOC
Released to Imaging: 5/25/2023 9:55:37 AM				lbs H2S

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

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

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

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

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

CONDITIONS

Action 150212

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 150212
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	10/13/2022

Heather Woods

From: Sarahmay Schlea
Sent: Monday, January 2, 2023 11:51 AM
To: Enviro, OCD, EMNRD
Cc: rhdunaway@eprod.com; Heather Woods; Georgeann Goodman
Subject: 48-hr Notification of Confirmation Sampling at Enterprise OHB to OGO Pipeline Release (nAPP2228450506)

Good morning,

Souder Miller and Associates will be on-site to conduct confirmation sampling at the Enterprise OHB to OGO Pipeline Release (nAPP2228450506) located at 32.61564877, -104.1963315 on Wednesday January 4th at 8am.

Thanks a bunch,
Sarahmay Schlea



Stronger Communities by Design



www.soudermiller.com

Sarahmay Schlea

*Staff Scientist I
(she/her)*

Direct/Mobile: 330-958-5689

Office: 575-449-2758

201 S Halagueno St
Carlsbad, NM 88220

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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Heather Woods

From: Heather Woods
Sent: Monday, January 9, 2023 5:38 PM
To: ocd.enviro@emnrd.nm.gov
Cc: rhdunaway@eprod.com; Sarahmay Schlea; Georgeann Goodman
Subject: Sampling Notification for Enterprise OHB to OGO Pipeline (nAPP2228450506)

Good Evening,

Souder, Miller & Associates will be onsite to collect confirmation samples at the Enterprise OHB to OGO Pipeline (nAPP2228450506) located at 32.61564877,-104.1963315 on Thursday, January 12, 2022, beginning at 7:30 am.

Many Thanks,
Heather

Heather Woods, P.G.
Project Geoscientist

Personal Registrations: UT Professional Geologist
Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates

Engineering ♦ Environmental ♦ Geomatics
401 West Broadway
Farmington, NM 87401
(505) 716-2787 (mobile)
(505) 325-7535 (office)
Heather.Woods@soudermiller.com
www.soudermiller.com



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Statement on Viruses and Harmful Software: While the message and attachment(s) have been scanned with anti-virus software, SMA does not guarantee that this message or any attachment(s) is free of computer viruses or other harmful software. SMA does not accept liability for any damages caused by any computer virus or other harmful software transmitted herewith.

From: [Hamlet, Robert, EMNRD](#)
To: [Dunaway, Robert](#)
Cc: [Bratcher, Michael, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: [EXTERNAL] (Extension Approval) nAPP2228450506, nAPP2227852472
Date: Thursday, December 29, 2022 2:01:39 PM

[Use caution with links/attachments]

RE: Incident #NAPP2228450506, NAPP2227852472

Robert,

Your request for an extension to **February 7th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, December 29, 2022 9:05 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] 30 Day Extension Requests, nAPP2228450506, nAPP2227852472

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Dunaway, Robert <rhodunaway@eprod.com>

Sent: Thursday, December 29, 2022 7:21 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] 30 Day Extension Requests, nAPP2228450506, nAPP2227852472

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning.

Enterprise would like to request 30 day extension requests for the following incidents:

nAPP2228450506 (OHB to OGO), Extension to 2/7/23

nAPP2227852472 (B-6 Line), Extension to 2/2/23

A combination of holidays, COVID, and scheduling contractors created an unavoidable issue with completing the remediation within 90 days. Enterprise is at the final sampling and reporting stage of these projects.

Please let me know if you have any questions.



Robert Dunaway

Senior Environmental Engineer

W: 575-628-6802

C: 361-815-0990

rhunaway@eprod.com

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APPENDIX B

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

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 01915	CP	ED	3	2	2	33	19S	28E	577309	3609734				

Average Depth to Water: --
 Minimum Depth: --
 Maximum Depth: --

Record Count: 1

PLSS Search:

Section(s): 28, 29, 30, 31, 32, 33 **Township:** 19S **Range:** 28E

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

No records found.

PLSS Search:

Section(s): 4, 5, 6

Township: 20S

Range: 28E

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.

1/26/23 4:04 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1915			
	WELL OWNER NAME(S) WaterBridge Stateline LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5555 San Felipe, Suite 1200				CITY Houston	STATE TX	ZIP 77056	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 37	SECONDS 20.89	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 104	10	33.33	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NE Sec.33 T19S R28E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins				NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 8/18/2022	DRILLING ENDED 8/18/2000	DEPTH OF COMPLETED WELL (FT) soil boring	BORE HOLE DEPTH (FT) ±60	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 8/19/200		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	60	± 6.5	Soil Boring	-	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

USE DIT AUG 29 2022 PM 3:27

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	CP-1915	POD NO.	POD1	TRN NO.	732212
LOCATION	19S 28E 33		3-2-2	WELL TAG ID NO.	N/A
					PAGE 1 OF 2



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

Click to hide News Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide. Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list = 323724104103901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

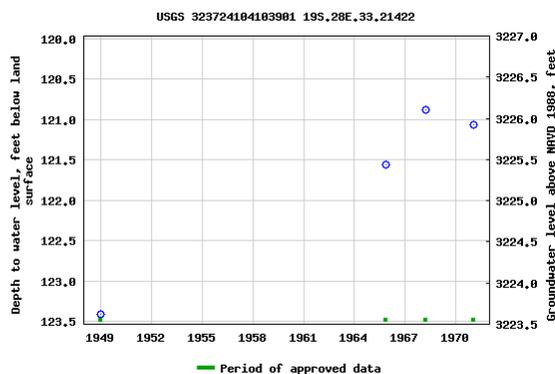
USGS 323724104103901 19S.28E.33.21422

Groundwater: Field measurements GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°37'24", Longitude 104°10'39" NAD27 Land-surface elevation 3,347 feet above NAVD88 The depth of the well is 170 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph

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

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



Page Contact Information: USGS Water Data Support Team Page Last Modified: 2023-01-26 18:08:08 EST 0.61 0.52 nadvw01

APPENDIX C

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 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 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 carrier 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 to be 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 D FIELD NOTES AND PHOTO LOG

PROJECT: OHBOGO

Date: Jan 4 2023

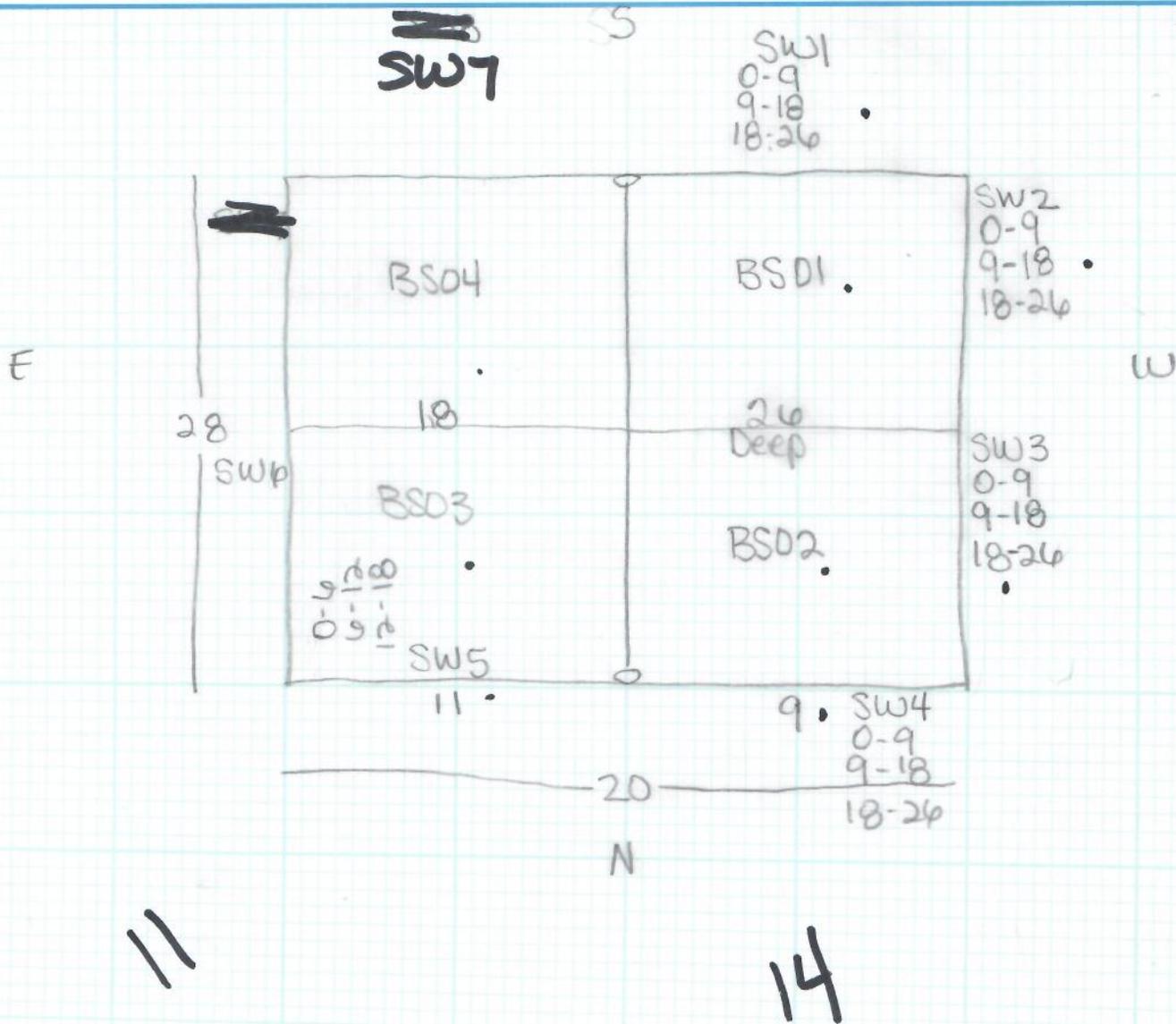
Page _____ of _____

JOB NO. _____

Date _____

Comp. By _____

CHECKED BY: _____



SUBJECT Confirmation Sampling

PROJECT OHB to OGU

PAGE 1 of 1

CLIENT Enterprise

DATE 1/12/2023

BY Sarahmoy Schlea

CHECKED

BY

SMA arrived onsite @ 0745, NMR had already arrived.

Enterprise arrived onsite @ 0815

plan is to dig a little in B503 and then resample, then we will head to B-6 to do the same thing.

work began @ 0835

weather is 40°F, slightly cloudy, NW winds @ 7mph, 50% humidity
→ high of 58°F, low of 28°F.

SAMPLE ID	TIME	PID
B503 @ 19'	- 0844	- 27.1

SMA left @ ~~0855~~ 0900



Photograph Log
OHB to OGO Pipeline Release
Enterprise Field Services

<p>Photograph #1</p>	
<p>Client: Enterprise Field Services</p>	<p>UTC: 2022.10.26T16:38:50Z Lat, Lon: 32.616087, -104.196263 Alt: 998.7m MSL WGS84 CEP: 4m</p>
<p>Site Name: OHB-OGO Pipeline Release</p>	<p>Azimuth and Bearing 185° S4W</p>
<p>Date Photo Taken: October 26, 2022</p>	<p>-3°</p> <p>-26.3°</p>
<p>Release Location: N32.61564877, W104.1963315</p> <p>S32-T19S-R28E Eddy County, New Mexico</p>	<p>SE S SW</p>
<p>Photo Taken by: Heather Woods</p>	<p>Description: Facing south, view of excavation extents and access ramp.</p>

Photograph Log
OHB to OGO Pipeline Release
Enterprise Field Services



<p>Photograph #2</p>	<p>UTC: 2022.10.26T16:47:50Z Lat, Lon: 32.616091, -104.196276 Alt: 997.4m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 187° S7W</p> <p>0° -2.8° -5°</p> <p>-45° -30° -15°</p> <p>SE S SW</p>
<p>Client: Enterprise Field Services</p>	
<p>Site Name: OHB-OGO Pipeline Release</p>	
<p>Date Photo Taken: October 26, 2022</p>	
<p>Release Location: N32.61564877, W104.1963315</p> <p>S32-T19S-R28E Eddy County, New Mexico</p>	
<p>Photo Taken by: Heather Woods</p>	
<p>Description: Facing south, view of excavation extents and access ramp.</p>	

Photograph Log
OHB to OGO Pipeline Release
Enterprise Field Services



Photograph #3	A high-angle drone photograph of a deep, narrow excavation site. The soil is reddish-brown and shows signs of being recently dug, with some tracks visible at the bottom. To the right, there is a section of orange safety fencing. In the upper right corner, a tracked vehicle, possibly a bulldozer or excavator, is partially visible. The overall scene is an active construction or maintenance site in a desert-like environment.
Client: Enterprise Field Services	
Site Name: OHB-OGO Pipeline Release	
Date Photo Taken: January 4, 2023	
Release Location: N32.61564877, W104.1963315 S32-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Erin Berry (Drone)	Description: Facing south, view of excavation extents via drone photograph.

Photograph Log
OHB to OGO Pipeline Release
Enterprise Field Services



<p>Photograph #4</p>	
<p>Client: Enterprise Field Services</p>	
<p>Site Name: OHB-OGO Pipeline Release</p>	
<p>Date Photo Taken: January 4, 2023</p>	
<p>Release Location: N32.61564877, W104.1963315 S32-T19S-R28E Eddy County, New Mexico</p>	
<p>Photo Taken by: Erin Berry (Drone)</p>	<p>Description: View of excavation extents via drone photograph from directly above excavation.</p>



Photograph Log
OHB to OGO Pipeline Release
Enterprise Field Services

<p>Photograph #5</p>	
<p>Client: Enterprise Field Services</p>	
<p>Site Name: OHB-OGO Pipeline Release</p>	
<p>Date Photo Taken: January 12, 2023</p>	
<p>Release Location: N32.61564877, W104.1963315 S32-T19S-R28E Eddy County, New Mexico</p>	
<p>Photo Taken by: Sarahmay Schlea</p>	<p>Description: Facing north, view of east half of final excavation area.</p>

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: OHB-OGO

Work Order: E301010

Job Number: 97057-0001

Received: 1/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/9/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/9/23

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: OHB-OGO
Workorder: E301010
Date Received: 1/6/2023 7:15:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/6/2023 7:15:00AM, under the Project Name: OHB-OGO.

The analytical test results summarized in this report with the Project Name: OHB-OGO 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 regarding 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

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

Field Offices:

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

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: OHB-OGO
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
01/09/23 15:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW3 @ 0 - 9	E301010-01A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW3 @ 9 - 18	E301010-02A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW3 @ 18 -26	E301010-03A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 0 -9	E301010-04A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 9 - 18	E301010-05A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 18 - 26	E301010-06A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW5 @ 0 - 6	E301010-07A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW5 @ 6 -12	E301010-08A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW5 @ 12 - 18	E301010-09A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW6 @ 0 - 6	E301010-10A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS01	E301010-11A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS02	E301010-12A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS03	E301010-13A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS04	E301010-14A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 0 - 9	E301010-15A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 9 - 18	E301010-16A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 18 - 26	E301010-17A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 0 - 9	E301010-18A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 9 - 18	E301010-19A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 18 - 26	E301010-20A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW6 @ 6 - 12	E301010-21A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW6 @ 12 - 18	E301010-22A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW7 @ 0 - 6	E301010-23A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW7 @ 6 - 12	E301010-24A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW7 @ 12 - 18	E301010-25A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW3 @ 0 - 9

E301010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)		ND	20.0	1	01/05/23	01/06/23
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)		ND	25.0	1	01/05/23	01/06/23
Oil Range Organics (C28-C36)		ND	50.0	1	01/05/23	01/06/23
<i>Surrogate: n-Nonane</i>		97.3 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2301042
Chloride		ND	20.0	1	01/05/23	01/06/23



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: OHB-OGO
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
1/9/2023 3:52:47PM

SW3 @ 9 - 18

E301010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	36.3	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW3 @ 18 -26

E301010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW4 @ 0 -9

E301010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	28.5	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW4 @ 9 - 18

E301010-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW4 @ 18 - 26

E301010-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW5 @ 0 - 6

E301010-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW5 @ 6 -12

E301010-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW5 @ 12 - 18

E301010-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW6 @ 0 - 6

E301010-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	38.7	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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BS01

E301010-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	86.9	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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BS02

E301010-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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BS03

E301010-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	0.0700	0.0500	1	01/05/23	01/06/23	
Total Xylenes	0.0700	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	50.7	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	62.6	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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BS04

E301010-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		83.2 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	78.0	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW1 @ 0 - 9

E301010-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		78.4 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		79.4 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	157	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW1 @ 9 - 18

E301010-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		85.6 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	91.7	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW1 @ 18 - 26

E301010-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		87.2 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	88.8	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW2 @ 0 - 9

E301010-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		85.2 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW2 @ 9 - 18

E301010-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		90.7 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	49.6	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW2 @ 18 - 26

E301010-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	0.0940	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.4 %	70-130	01/05/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301042
Chloride	92.8	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW6 @ 6 - 12

E301010-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		93.3 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	132	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW6 @ 12 - 18

E301010-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	30.6	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW7 @ 0 - 6

E301010-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	0.0300	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	39.1	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW7 @ 6 - 12

E301010-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		99.1 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	ND	20.0	1	01/05/23	01/06/23	



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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SW7 @ 12 - 18

E301010-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		95.1 %	50-200	01/05/23	01/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	94.1	20.0	1	01/05/23	01/06/23	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name: OHB-OGO	Reported: 1/9/2023 3:52:47PM
201 S Halagueno St.	Project Number: 97057-0001	
Carlsbad NM, 88220	Project Manager: Heather Woods	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.67	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2301038-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.67	0.0250	2.50		107	70-130	2.49	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	2.90	27	
Toluene	2.62	0.0250	2.50		105	70-130	3.89	24	
o-Xylene	2.70	0.0250	2.50		108	70-130	2.85	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	3.43	27	
Total Xylenes	7.92	0.0250	7.50		106	70-130	3.23	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301036-BLK1)

Prepared: 01/05/23 Analyzed: 01/05/23

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	7.86		8.00		98.2	70-130			

LCS (2301036-BS1)

Prepared: 01/05/23 Analyzed: 01/05/23

Benzene	4.37	0.0250	5.00		87.4	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.73	0.0250	5.00		94.7	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.3	0.0250	15.0		95.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

LCS Dup (2301036-BSD1)

Prepared: 01/05/23 Analyzed: 01/05/23

Benzene	4.58	0.0250	5.00		91.6	70-130	4.67	20	
Ethylbenzene	4.92	0.0250	5.00		98.4	70-130	4.72	20	
Toluene	4.96	0.0250	5.00		99.2	70-130	4.70	20	
o-Xylene	5.06	0.0250	5.00		101	70-130	4.67	20	
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130	4.72	20	
Total Xylenes	15.0	0.0250	15.0		100	70-130	4.70	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301036-BLK1)

Prepared: 01/05/23 Analyzed: 01/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

LCS (2301036-BS2)

Prepared: 01/05/23 Analyzed: 01/05/23

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS Dup (2301036-BSD2)

Prepared: 01/05/23 Analyzed: 01/05/23

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130	3.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

LCS Dup (2301038-BSD2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	64.2	20.0	50.0		128	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301034-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	53.4		50.0		107	50-200			

LCS (2301034-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: <i>n-Nonane</i>	49.9		50.0		99.8	50-200			

Matrix Spike (2301034-MS1)

Source: E301010-07

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: <i>n-Nonane</i>	47.9		50.0		95.8	50-200			

Matrix Spike Dup (2301034-MSD1)

Source: E301010-07

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	2.24	20	
Surrogate: <i>n-Nonane</i>	49.4		50.0		98.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301040-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

LCS (2301040-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	234	25.0	250		93.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2301040-MS1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132			
Surrogate: n-Nonane	46.8		50.0		93.5	50-200			

Matrix Spike Dup (2301040-MSD1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132	2.44	20	
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name: OHB-OGO	Reported:
201 S Halagueno St.	Project Number: 97057-0001	
Carlsbad NM, 88220	Project Manager: Heather Woods	1/9/2023 3:52:47PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2301042-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride	ND	20.0							
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LCS (2301042-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride	254	20.0	250		102	90-110			
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LCS Dup (2301042-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride	256	20.0	250		102	90-110	0.823	20	
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QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/9/2023 3:52:47PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301044-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride ND 20.0

LCS (2301044-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride 257 20.0 250 103 90-110

LCS Dup (2301044-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Chloride 253 20.0 250 101 90-110 1.78 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.



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	OHB-OGO	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/09/23 15:52

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.



Chain of Custody

Project Information

Client: Souder Miller & Associates
 Project: OHB-060
 Project Manager: Heather Woods
 Address: 201 S Halamoena
 City, State, Zip: Coolidge NM 88020
 Phone:
 Email:
 Report due by:

Bill To
 Attention: Enterprise
 Address:
 City, State, Zip:
 Phone:
 Email:
 WO# Rd22121

Lab Use Only
 Lab WO# PE301010
 Job Number 97057-001
 Analysis and Method
 TAT
 1D 3D
 EPA Program
 RCRA CWA SDWA
 State
 NM CO UT AZ
 TX OK
 Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	108 by 010/010	GRO/DRO by 8015	BTEX by 8021	VOC by R260	Metals 6010	Chloride 300.0	NON - NBO	BGDOR - TX	Remarks
0915	1/4	S	1	B501	11							X		
0937	1/4	S	1	B502	12							X		
0940	1/4	S	1	B503	13							X		
0956	1/4	S	1	B504	14							X		
0900	1/4	S	1	SW1@0-9	15							X		
0902	1/4	S	1	SW1@9-18	16							X		
0905	1/4	S	1	SW1@18-26	17							X		
0907	1/4	S	1	SW2@0-9	18							X		
0910	1/4	S	1	SW2@9-18	19							X		
0912	1/4 ²³	S	1	SW2@18-26	20							X		

Additional Instructions: Please send to Heather Woods Sarahmay Schlenker & Georgetown Goodman
 Samples requiring thermal preservation must be received on ice the day they are sampled or refrigerated packed in ice at an average above 0 but less than 5°C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	1/4/23	0600	<i>Michelle Gurgels</i>	1-5-23	1000	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
<i>Michelle Gurgels</i>	1-5-23	1700	<i>[Signature]</i>	1-5-23	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
<i>Lorenz Per</i>	1-5-23	2245	<i>Carth Chart</i>	1/6/23	7:15	4

Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - 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. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Released to Imaging: 5/25/2023 9:55:37 AM

Received by OCD: 1/30/2023 9:26:34 AM

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Chain of Custody

Released to Imaging: 5/25/2023 9:55:37 AM

Received by OCD: 1/30/2023 9:26:34 AM

Project Information

Client: Sander Muller & Associates
 Project: OHP-060
 Project Manager: Heather Woods
 Address: 201 S Halequeno
 City, State, Zip: Carlsbad NM 88520
 Phone: _____
 Email: _____
 Report due by: _____

Bill To
 Attention: Enterprise
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 WO# R022121

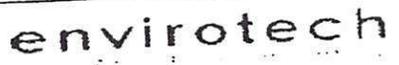
Lab Use Only
 Lab WO#: PE.301010 Job Number: 97057-0001
 Analysis and Method: _____
 TAT: Next day
 EPA Program: RCRA, CWA, SDWA

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 8010	IGDDC - NM	IGDDC - TX	Remarks
0950	1/4	S	1	SW6 @ 6-12	21							X		
0953	1/4	S	1	SW6 @ 12-18	22							X		
0958	1/4	S	1	SW7 @ 0-6	23							X		
1000	1/4	S	1	SW7 @ 6-12	24							X		
1003	1/4 ²³	S	1	SW7 @ 12-18	25							X		

Additional Instructions: Please send to Heather Woods, Sarahmay Schlea, Georgeann Goodman

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	1/4/23	600	<u>Michelle Gungah</u>	1-5-23	1000	Received on ice: <u>Y/N</u>
<u>Michelle Gungah</u>	1-5-23	1700	<u>[Signature]</u>	1-5-23	1700	T1 _____ T2 _____ T3 _____
<u>[Signature]</u>	1-5-23	2245	<u>Carla Ch...</u>	1/6/23	7:15	AVG Temp °C <u>4</u>

Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Envirotech Analytical Laboratory

Printed: 1/6/2023 7:59:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	01/06/23 07:15	Work Order ID:	E301010
Phone:	(575) 200-5443	Date Logged In:	01/05/23 14:40	Logged In By:	Caitlin Christian
Email:		Due Date:	01/06/23 17:00 (0 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: OHB-OGO

Work Order: E301072

Job Number: 97057-0001

Received: 1/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/17/23

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: OHB-OGO
Workorder: E301072
Date Received: 1/14/2023 8:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2023 8:00:00AM, under the Project Name: OHB-OGO.

The analytical test results summarized in this report with the Project Name: OHB-OGO 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 regarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 01/17/23 16:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS03@19	E301072-01A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/17/2023 4:08:47PM
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BS03@19

E301072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2302081
Benzene	ND	0.0250	1	01/14/23	01/14/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/14/23	
Toluene	ND	0.0250	1	01/14/23	01/14/23	
o-Xylene	ND	0.0250	1	01/14/23	01/14/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/14/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/14/23	01/14/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2302081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	01/14/23	01/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: RAS		Batch: 2303003
Diesel Range Organics (C10-C28)	43.4	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	01/15/23	01/16/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2302086
Chloride	ND	20.0	1	01/14/23	01/14/23	



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/17/2023 4:08:47PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302081-BLK1)

Prepared: 01/14/23 Analyzed: 01/14/23

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	7.96		8.00		99.5		70-130		

LCS (2302081-BS1)

Prepared: 01/14/23 Analyzed: 01/14/23

Benzene	4.65	0.0250	5.00		92.9		70-130		
Ethylbenzene	4.99	0.0250	5.00		99.8		70-130		
Toluene	5.04	0.0250	5.00		101		70-130		
o-Xylene	5.13	0.0250	5.00		103		70-130		
p,m-Xylene	10.1	0.0500	10.0		101		70-130		
Total Xylenes	15.3	0.0250	15.0		102		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7		70-130		

Matrix Spike (2302081-MS1)

Source: E301069-02

Prepared: 01/14/23 Analyzed: 01/14/23

Benzene	4.81	0.0250	5.00	ND	96.1		54-133		
Ethylbenzene	5.15	0.0250	5.00	ND	103		61-133		
Toluene	5.20	0.0250	5.00	ND	104		61-130		
o-Xylene	5.30	0.0250	5.00	ND	106		63-131		
p,m-Xylene	10.4	0.0500	10.0	ND	104		63-131		
Total Xylenes	15.7	0.0250	15.0	ND	105		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7		70-130		

Matrix Spike Dup (2302081-MSD1)

Source: E301069-02

Prepared: 01/14/23 Analyzed: 01/14/23

Benzene	4.57	0.0250	5.00	ND	91.4		54-133	4.96	20
Ethylbenzene	4.92	0.0250	5.00	ND	98.4		61-133	4.64	20
Toluene	4.95	0.0250	5.00	ND	99.1		61-130	4.87	20
o-Xylene	5.07	0.0250	5.00	ND	101		63-131	4.54	20
p,m-Xylene	9.97	0.0500	10.0	ND	99.7		63-131	4.53	20
Total Xylenes	15.0	0.0250	15.0	ND	100		63-131	4.53	20
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100		70-130		



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/17/2023 4:08:47PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302081-BLK1)

Prepared: 01/14/23 Analyzed: 01/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS (2302081-BS2)

Prepared: 01/14/23 Analyzed: 01/14/23

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2302081-MS2)

Source: E301069-02

Prepared: 01/14/23 Analyzed: 01/14/23

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike Dup (2302081-MSD2)

Source: E301069-02

Prepared: 01/14/23 Analyzed: 01/14/23

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	1.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/17/2023 4:08:47PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

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
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Blank (2303003-BLK1)

Prepared: 01/15/23 Analyzed: 01/17/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.1		50.0		118	50-200			

LCS (2303003-BS1)

Prepared: 01/15/23 Analyzed: 01/17/23

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	56.7		50.0		113	50-200			

Matrix Spike (2303003-MS1)

Source: E301072-01

Prepared: 01/15/23 Analyzed: 01/17/23

Diesel Range Organics (C10-C28)	309	25.0	250	43.4	106	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			

Matrix Spike Dup (2303003-MSD1)

Source: E301072-01

Prepared: 01/15/23 Analyzed: 01/17/23

Diesel Range Organics (C10-C28)	349	25.0	250	43.4	122	38-132	12.0	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: OHB-OGO Project Number: 97057-0001 Project Manager: Heather Woods	Reported: 1/17/2023 4:08:47PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2302086-BLK1)

Prepared: 01/14/23 Analyzed: 01/14/23

Chloride	ND	20.0							
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LCS (2302086-BS1)

Prepared: 01/14/23 Analyzed: 01/14/23

Chloride	254	20.0	250		102	90-110			
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LCS Dup (2302086-BSD1)

Prepared: 01/14/23 Analyzed: 01/14/23

Chloride	253	20.0	250		101	90-110	0.273	20	
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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.



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	OHB-OGO	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/17/23 16:08

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.



Envirotech Analytical Laboratory

Printed: 1/16/2023 9:48:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	01/14/23 08:00	Work Order ID:	E301072
Phone:	(575) 200-5443	Date Logged In:	01/14/23 09:13	Logged In By:	Alexa Michaels
Email:		Due Date:	01/16/23 17:00 (0 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

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

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

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

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

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

CONDITIONS

Action 180567

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 180567
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2228450506 OHB TO OGO PIPELINE, thank you. This closure is approved.	5/25/2023