ALEUTIAN 10 CTB 2

11/1/2023

OCD INCIDENT # nAPP2330623246

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
3500.583	0.063
Cubic Feet of Soil Impacted	18.232
Barrels of Soil Impacted	3.25
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.49
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.05
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
2000	0.250
Standing fluid	7.427
Total fluids spilled	**7.915**

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

April 24, 2024 #5E32074-BG13

NMOCD District 2
811 S. First St
Artesia, NM 88210

SUBJECT: Closure Report for the Aleutian 10 CTB 2 Release (nAPP233062346), Eddy County, New Mexico

1.0 Introduction

On behalf of Devon Energy Production Company (Devon), Souder, Miller & Associates (SMA) has prepared this Closure Report that describes the remediation of a produced water release related to oil and gas production activities at the Aleutian 10 CTB 2 facility (nAPP233062346). The release site is located in Unit Letter J, Section 10, Township 23S, Range 31E, (32.3154437, -103.7621329) Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

Table 1: Release Information and Closure Criteria			
Name	Aleutian 10 CTB 2	Company	Devon Energy Production Company
API Number	N/A	Location	S10, T23S, R31E 32.3154437, -103.7621329
Incident Number	nAPP233062346	Land Status	Federal (BLM)
Date of Release	November 01, 2023		
Source of Release	Gasket leak		
Released Volume	8 bbls Produced Water	Recovered Volume	2.5 bbls Produced Water
NMOCD Closure Criteria	Depth to groundwater >100 feet bgs		

2.0 Background

On November 1, 2023, a 10” trunkline gasket developed a leak, causing fluid to be released into and outside of the lined containment. Total fluids released amounted to 8 barrels (bbls) of produced water inside and around the lined secondary containment of the tank battery. Initial response activities were conducted by the operator and included source elimination, site stabilization, and recovery of approximately 2.5 bbls of produced water. A copy of the C-141 is provided in Appendix A.

3.0 Site Information and Closure Criteria

The Aleutian 10 CTB 2 Facility is located approximately 20 miles northeast of Loving, New Mexico, on Federal (BLM) land at an elevation of approximately 3,415 feet above mean sea level (amsl).

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System yielded one result within ½ mile of the site. Per the well plugging plan for POD C-2777, depth to groundwater was measured at 466 feet below grade surface (bgs). Thus, depth to groundwater is considered to be greater than 100 feet bgs for Closure Criteria determinations. A copy of the POD C-2777 well plugging plan is included in Appendix B, and the location of the well is shown on Figure 1.

Wellhead Protection Area

There are no known water sources within a ½ mile of the location, according to the NMOSE NMWRRS and USGS National Water Information System. Registered wells in the vicinity are shown in Figure 1.

Distance to Nearest Significant Watercourse

The nearest source is an unnamed ephemeral draw approximately 5.5 miles to the southwest of the location.

Distance to Sensitive Areas

Closure Criteria Determination. Figures 1 and 2 illustrate the 200 and 300foot radii, indicating 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, this site's applicable NMOCD Closure Criteria is set to the standards for depth to groundwater greater than 100 feet bgs.

4.0 Release Characterization and Remediation Activities

On November 14, 2023, SMA personnel performed initial site delineation sampling.

A total of 12 soil borings, BH01 through BH12, were advanced in and around the visibly stained area using a hand auger to depths ranging from 0 to 4 feet bgs. Additionally, one soil boring, BG01, was advanced to collect background samples in an undisturbed location off the well pad. A total of 52 delineation samples were collected from the release area per the sampling protocol included in Appendix D. Soil samples were field screened for chloride using an electrical conductivity (EC) meter. Soil boring locations are illustrated in Figure 3, field screening results are summarized in Table 3, and field notes and a photographic log are included in Appendix C.

All samples were submitted for laboratory analysis, including total chloride using the United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Laboratory analytical results are summarized in Table 3, and laboratory reports are included in Appendix E.

Excavation activities were performed by a Devon construction crew with SMA oversight. Excavation activities lasted approximately two weeks. The remediation area was excavated by backhoe scraping in more open areas and hydrovacing and hand digging near pipelines and machinery. The impacted soil was moved directly from the excavation by the backhoe to a dump truck for removal from the site. The final remediation excavation at the most significant dimension measured approximately 92 feet by 53 feet with a maximum depth of 1.5 feet.

SMA personnel performed closure confirmation sampling on December 27, 2023 and January 11, 2024. A total of 30 closure confirmation samples were collected and submitted for laboratory analysis. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix D. The confirmation samples were analyzed for chloride, BTEX, and TPH in the same manner as described above for the initial release assessment samples. Confirmation sample locations are illustrated in Figures 4a and 4b.

Laboratory analytical results report chloride, benzene, total BTEX, and total TPH concentrations below laboratory reporting limits (RLs) which are below the NMOCD Closure Criteria.

Excavated soils were transported to an NMOCD-permitted surface waste facility for remediation/disposal. The excavation was backfilled with clean, imported material and graded to match the surrounding area. Excavation extents and closure confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix C. Confirmation laboratory results are summarized in Table 4. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 4, all closure confirmation samples meet NMOCD Closure Criteria. This site had been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

SMA recommends no further action for Incident Number nAPP233062346.

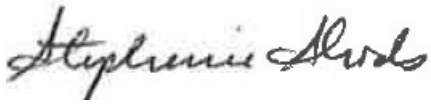
6.0 Scope and Limitations

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 Sarahmay Schlea at (330) 958-5689.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Georgeann Goodman
Field Technician III

Stephanie Hinds, P.E.
Project Engineer

REFERENCES:

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

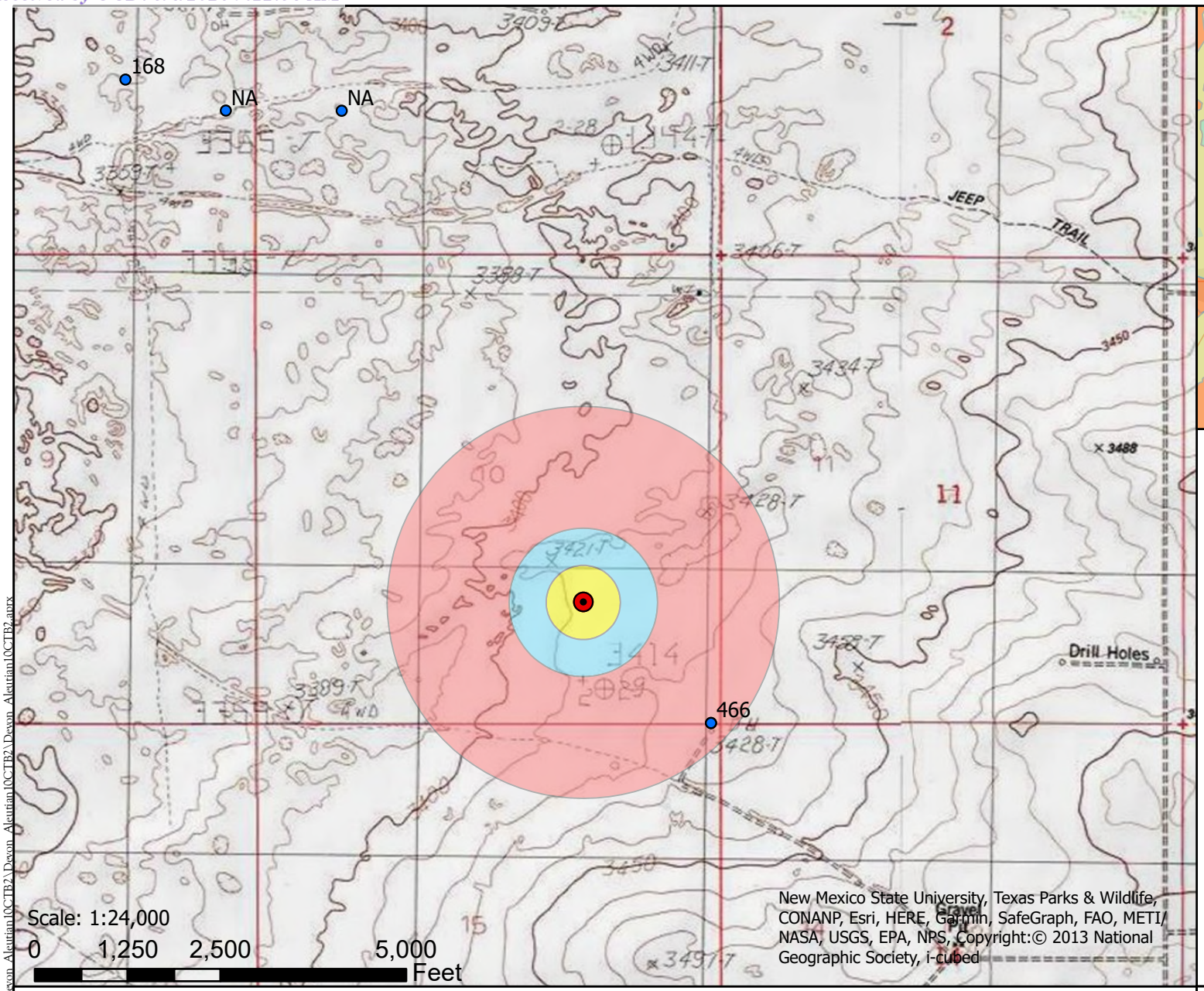
ATTACHMENTS:

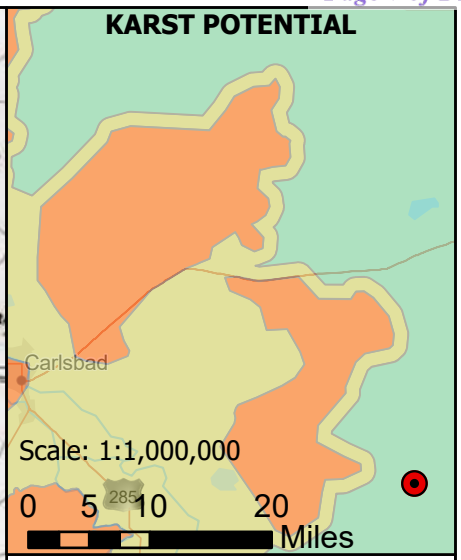
Figures:

Tables:

Appendices:

FIGURES





Legend

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

Buffer Distance

- 500 feet
- 1000 feet
- 0.5 mile

Karst Potential

- High
- Medium
- Low

N

Point of Release Coordinates:
-103.7621329W 32.3154437N

Topographic Site Map
Aleutian 10 CTB 2 - Devon Energy Production Co
UL: J S: 10 T: 23S R: 31E, Eddy County, New Mexico

Figure 1

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Date Saved: 11/10/2023

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

Drawn Sarahmay Schlea
Date 11/10/2023
Checked
Approved

SMA
Souder, Miller & Associates
Engineering • Environmental
Geomatics

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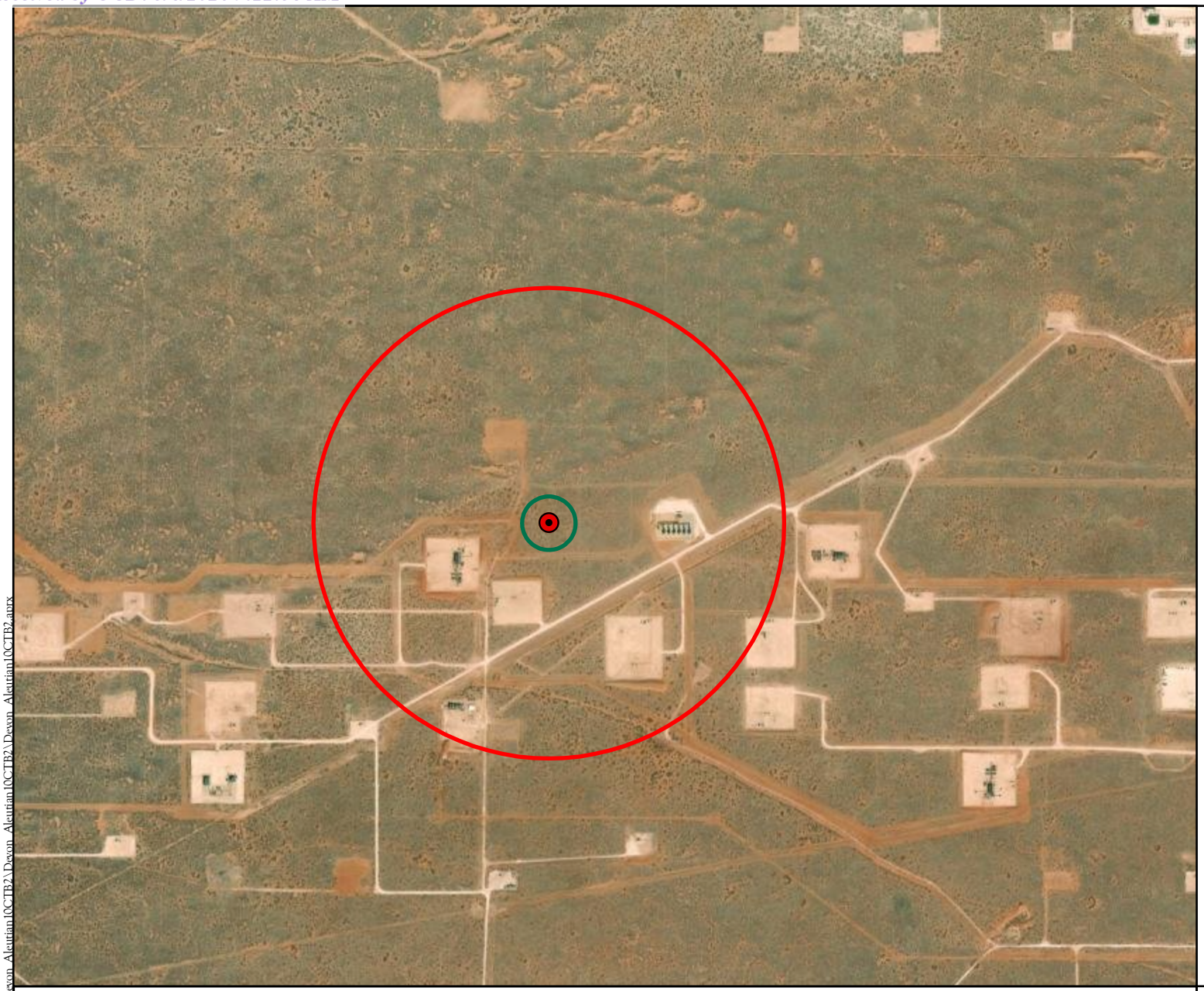

Legend

- Point of Release
- Rivers/Streams/Canals/Flowlines
- 300 Foot Radius
- 0.5 Mile Radius
- Lakes/Playas
- FEMA Flood Zones

0 1,500 3,000

Feet

Scale: 1:20,000

N

Point of Release Coordinates:
-103.7621329W 32.3154437N

Aerial Site Map

Aleutian 10 CTB 2 - Devon Energy Production Co

UL: J S: 10 T: 23S R: 31E, Eddy County, New Mexico

Figure 2

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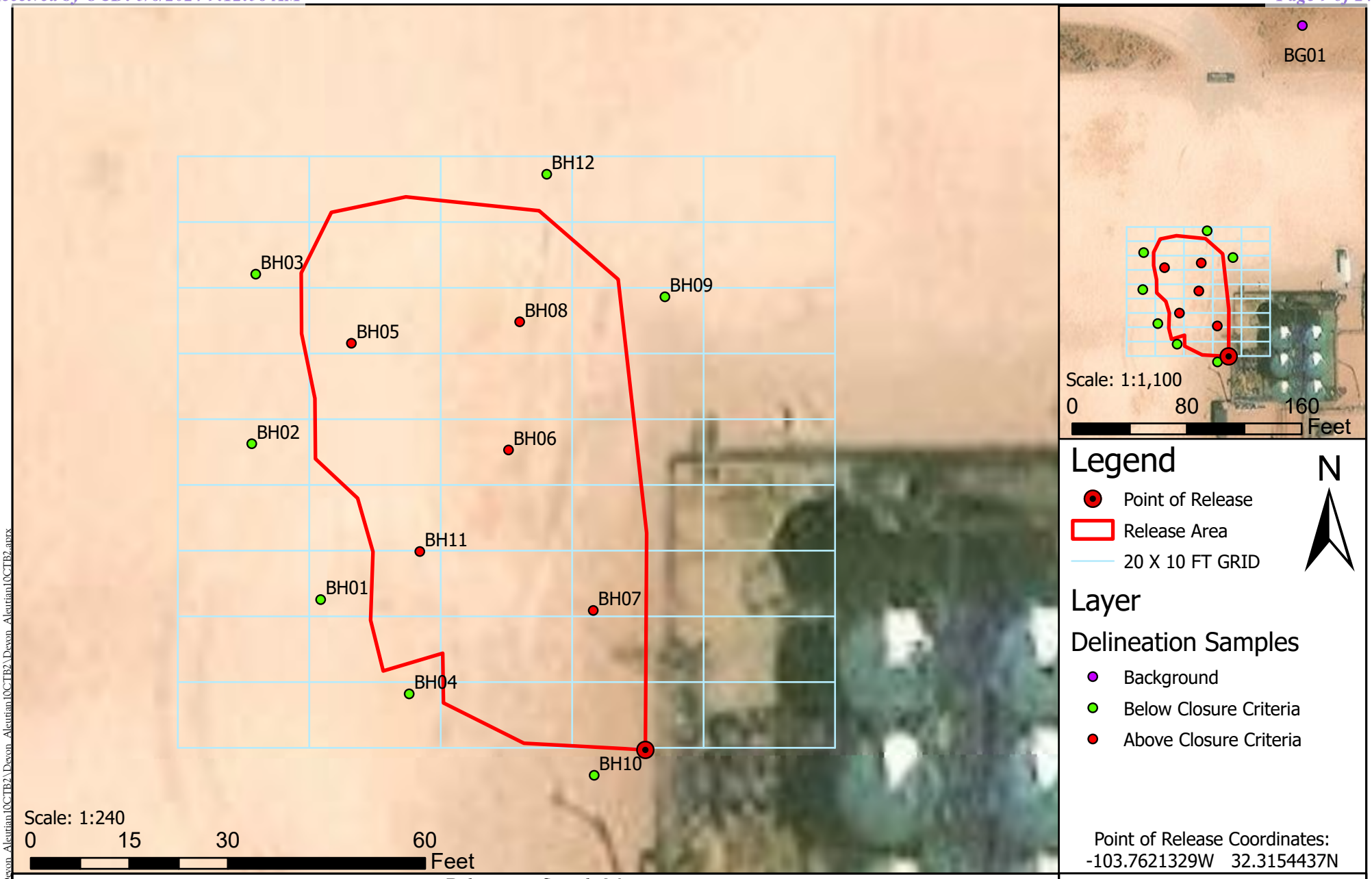

Delineation Sample Map
Aleutian 10 CTB 2 - Devon Energy Production Co
UL: J S: 10 T: 23S R: 31E, Eddy County, New Mexico

Figure 3

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By: Date: Descr:

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Date 1/22/2024
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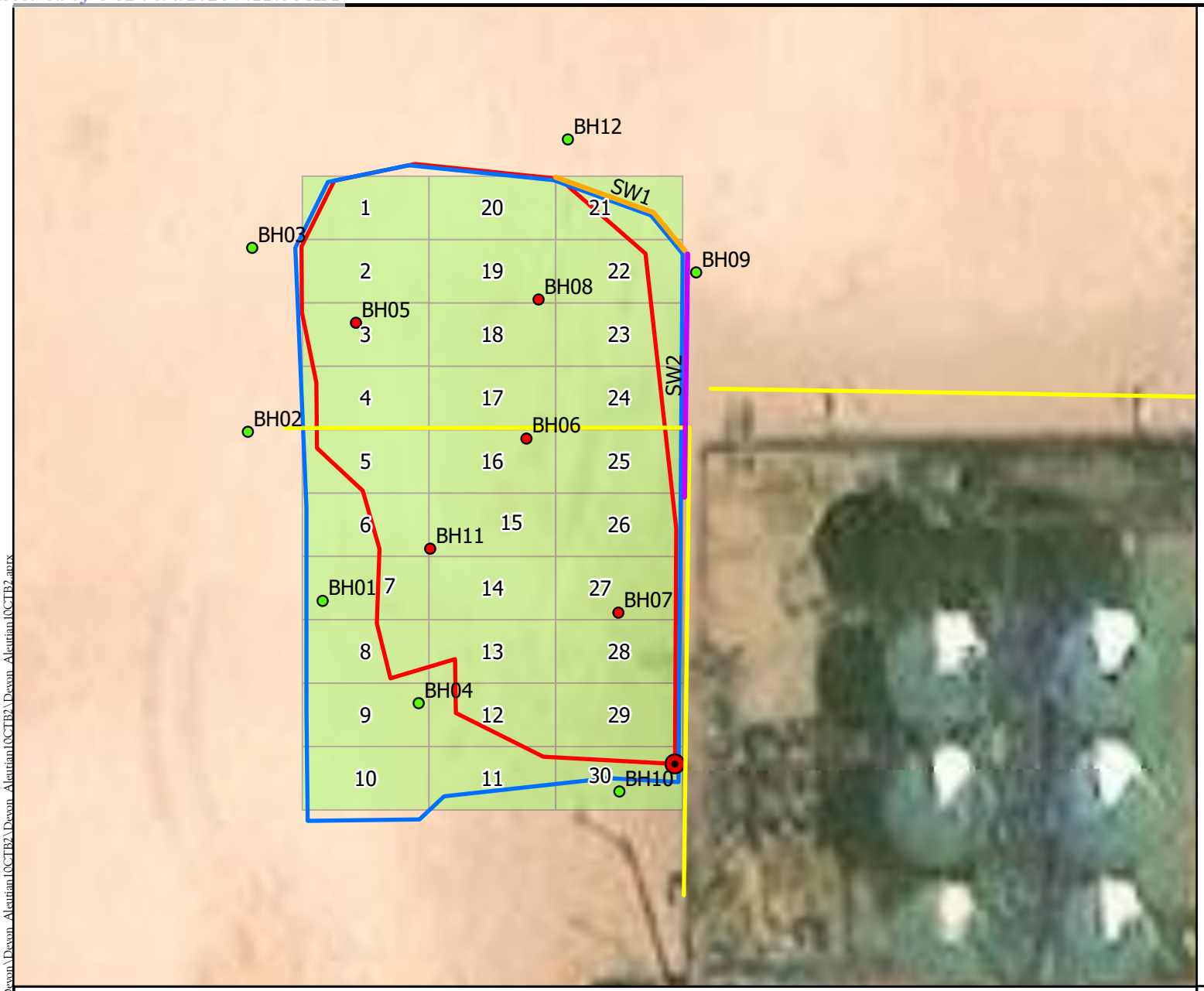

Legend

- Point of Release
- Electrical Lines
- Excavation Area
- Release Area

Confirmation Samples

- Below Remediation Closure Criteria
- Above Remediation Closure Criteria

Sidewall Samples @ 1.5ft

- SW1
- SW2

Layer

Delineation Samples

- Background
- Below Reclamation Closure Criteria
- Above Reclamation Closure Criteria

0 10 20 40

Feet

Scale: 1:250

N

Point of Release Coordinates:
-103.7621329W 32.3154437N

Confirmation Sample Location Map
Aleutian 10 CTB 2 - Devon Energy Production Co
UL: J S: 10 T: 23S R: 31E, Eddy County, New Mexico

Figure 4

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Date 4/29/2024
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TABLES

Table 2:
NMOCD Closure Criteria

Devon Energy Production Company
Aleutian 10 CTB 2
nAPP2330623246

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	>100	United States Geological Survey
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA	New Mexico Office of the State Engineer
Hortizontal Distance to Nearest Significant Watercourse (ft)	22,275	United States Geological Survey Topo 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		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	**X**	**20000**	**2500**	**1000**	**50**	**10**
Surface Water	**yes or no**	**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					

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Devon Energy
Aleutian 10 CTB 2

Table 3:
Delineation Sample Results

nAPP2330623246

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
BH01	11/14/2023	0	--	--	--	--	--	--	<20.0
	11/14/2023	4	--	--	--	--	--	--	26.9
BH02	11/14/2023	0	--	--	--	--	--	--	305
	11/14/2023	4	--	--	--	--	--	--	<20.0
BH03	11/14/2023	0	--	--	--	--	--	--	262
	11/14/2023	4	--	--	--	--	--	--	<20.0
BH04	11/14/2023	0	--	--	--	--	--	--	136
	11/14/2023	4	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH05	11/14/2023	0	--	--	--	--	--	--	**12,100**
	11/14/2023	4	--	--	--	--	--	--	41.4
BH06	11/14/2023	0	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**11,700**
	11/14/2023	4	--	--	--	--	--	--	35.6
BH07	11/14/2023	0	--	--	--	--	--	--	**5,880**
	11/14/2023	4	--	--	--	--	--	--	88.3
BH08	11/14/2023	0	--	--	--	--	--	--	**9,080**
	11/14/2023	4	--	--	--	--	--	--	67.7
BH09	11/14/2023	0	--	--	--	--	--	--	34.1
	11/14/2023	4	--	--	--	--	--	--	<20.0
BH10	11/14/2023	0	--	--	--	--	--	--	<20.0
	11/14/2023	3	--	--	--	--	--	--	<20.0
BH11	11/14/2023	0	--	--	--	--	--	--	**10,400**
	11/14/2023	4	--	--	--	--	--	--	<20.0
BH12	11/14/2023	0	--	--	--	--	--	--	83.9
	11/14/2023	1	--	--	--	--	--	--	38.0
BG01	11/14/2023	0	--	--	--	--	--	--	<20.0
	11/14/2023	4	--	--	--	--	--	--	<20.0

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Devon Energy
Aleutian 10 CTB 2

Table 4:
Summary of Excavation Confirmation Laboratory Analytical Results

nAPP2330623246

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
CS01	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	47.4
CS02	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	354
CS03	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	175
CS04	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	135
CS05	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**940**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	35.8
CS06	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	111
CS07	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	486
CS08	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	59.1
CS09	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS10	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS11	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	37.5
CS12	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	69.5
CS13	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**604**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS14	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**1,280**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	32
CS15	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	52.0
CS16	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**947**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	41.0
CS17	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	435
CS18	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS19	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	75.7
CS20	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	37.6
CS21	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**3,900**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	61.9
CS22	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**2,750**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	68.5

SMA 53E2074

Devon Energy
Aleutian 10 CTB 2

Table 4:
Summary of Excavation Confirmation Laboratory Analytical Results

nAPP2330623246

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
CS23	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**1,280**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	55.8
CS24	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**1,300**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	39.4
CS25	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**2,380**
	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	87.9
CS26	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	132
CS27	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	67.5
CS28	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	297
CS29	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**1,640**
	1/11/2023	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	**4,090**
CS30	12/27/2023	1	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	74.4
SW1	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	37.1
SW2	1/11/2024	1.5	<0.1000	<0.0250	<20.0	<25.0	<50.0	<95.0	153

Notes:
NMOCD - New Mexico Oil Conservation Division
GRO - gasoline range organics
VOCs - volitile organic compounds
DRO - diesel range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbons
BTEX - benzene, toluene, ethylbenzene, and xylenes
mg/kg - milligram per kilogram
bgs - below grade surface

SMA 53E2074

APPENDIX A

CORRESPONDENCE

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ 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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: _____

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

OCD Only

Received by: Shelly Wells Date: 11/3/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2330623246
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	466 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2330623246
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional

Signature:_____ Date: _____

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2330623246
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2330623246
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: _____ Date: _____

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

ALEUTIAN 10 CTB 2

11/1/2023

nAPP2330623246

WORK ORDER 21249344

What: 10" trunk line gasket blew apart two measurements one for inside containment and one for outside
Inside=13'11"x36'2"x 1/16"depth
Outside=70'10"x50'7"x1/2"depth


devon
ALEUTIAN 10 CTB 2
NMNM077046 NMNM0405444
SW/4 NE/4 SE/4, SE/4 NW/4 SE/4, NE/4 SW/4 SE/4
& NW/4 SE/4 SE/4 OF SEC. 10-T23S-R31E 1340' FSL & 1545' FEL
EDDY COUNTY, NEW MEXICO
LAT. N 32° 18' 55.536" LONG. W 103° 45' 43.648"
DEVON CORPORATE CONTACT: 800-361-3377

Copy and Paste this section into TEAMS and/or Sheild Report

Person Reporting:	Joe Gonzales
Foreman Name:	Justin Coombes/Jared Armstrong
Facility Name:	Aleutian 10 CTB 2
API (If applicable)	
GPS:	LAT. N32'18'55.536" LONG. W103' 45'43.648"
Section-Township-Range	SEC. 10-T23S-R31E 1340' FSL & 1545' FEL
Time of Incident	11/1/2023 0:13
Time Incident Found:	11/1/2023 0:13

TAKE PICTURE OF LEASE SIGN AND ADD ALL INFORMATION TO TEAMS.

Descrpition of Event (What & How)	10" Trunk line gasket blew apart causing spill in and outside containment on location.
Immediate Actions	Arrived on location found a stream of fluid coming from trunk line for transfer pumps. Shut off pumps and isolated leak. Had to shut in facilty for water take away. M1# 12237167 for repairs and M3# 12237168 for clean up. Contacted TCS trucking for clean up.
M3 # and Date Submitted	12237168 11/1/2023
All fluids stayed on pad	Yes No

	Released	Recovered
Type	bbls/gallons	
Oil		
Produced Water	7.961	
Gas		
Other		

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
3500.583	0.063
Cubic Feet of Soil Impacted	18.232
Barrels of Soil Impacted	3.25
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.49
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.05
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
2000	0.250
Standing fluid	7.427
Total fluids spilled	**7.915**


36' 2"
13' 11"


50' 7"
70' 10"

From:	Wells, Shelly, EMNRD
To:	Sarahmay Schlea
Cc:	Woodall, Dale; Reid Allan; Stephanie Hinds; Georgeann Goodman; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] 48-hr Notification - Aleutian 10 CTB 2 (nAPP2330623246)
Date:	Monday, November 6, 2023 8:19:26 AM
Attachments:	image001.png image002.png image003.png image004.png

Hi Sarahmay,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Sarahmay Schlea <sarahmay.schlea@soudermiller.com>
Sent: Monday, November 6, 2023 8:10 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Woodall, Dale <dale.woodall@dvn.com>; Reid Allan <reid.allan@soudermiller.com>; Stephanie Hinds <stephanie.hinds@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>
Subject: [EXTERNAL] 48-hr Notification - Aleutian 10 CTB 2 (nAPP2330623246)

Good morning,

Souder, Miller and Associates will be on location Wednesday, November 8, 2023, to conduct a liner inspection at the Aleutian 10 CTB 2 site (nAPP2330623246) located at 32.3154437, -103.7621329. Please consider this your 48-hour notification.

Thanks,

Sarahmay Schlea

Stronger Communities by Design

www.soudermiller.com

Staff Scientist II

Direct/Office: (575) 449-2758
Mobile: (330) 958-5689

201 S Halagueno St
Carlsbad, NM 88220

From: Sarahmay Schlea
To: ocd.enviro@emnrd.nm.gov
Cc: Woodall, Dale; Stephanie Hinds; Reid Allan; Georgeann Goodman
Subject: Aleutian 10 CTB 2 (nAPP2330623246) - Confirmation Sampling 48-hr Notification
Date: Monday, December 25, 2023 10:35:10 AM
Attachments: Outlook-behh4oxx.png
Outlook-4obolinc.png
Outlook-jslna5vw.png
Outlook-eb2e2z4r.png

Good Morning,

Souder, Miller and Associates will be on location Wednesday, December 27, 2023, to conduct confirmation sampling at the Aleutian 10 CTB 2 site (nAPP2330623246) located at 32.3154437, -103.7621329.

The sampling surface area is approximately 5,880 sq.ft
At samples every 200 sq.ft. that would have us collecting roughly 29.4 (or 30) samples from the sample area.
Sampling date: December 27, 2023 at 11:00am
Navigation: From the intersection of Red Road and 128, head north on Red Road for 4.5 miles, before turning left and heading west for 1.5 miles. Turn right and head north to the pad area.

If you have any questions or concerns, please contact Sarahmay Schlea @ 330-958-5689 or Georgeann Goodman @ 575-725-1311

Thank you, and Happy Holidays.

SMA Since 1985

Stronger Communities by Design

www.soudermiller.com

Sarahmay Schlea
Staff Scientist II
(she/her)

Direct/Office: (575) 449-2758
Mobile: (330) 958-5689

201 S Halagueno St
Carlsbad, NM 88220

From: Woodall, Dale
To: Stephanie Hinds
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 301016
Date: Monday, January 8, 2024 11:20:58 AM

---

fyi

Dale Woodall
Environmental Professional
Hobbs, NM
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, January 8, 2024 11:17 AM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 301016

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2330623246.

The sampling event is expected to take place:

When: 01/11/2024 @ 10:00
Where: J-10-23S-31E 1353 FSL 1550 FEL (32.3154437,-103.7621329)

Additional Information: Stephanie Hinds, P.E.
Senior Engineer

Direct/Mobile: 505.793.7079
Office: 505.302.1127

Additional Instructions: From the intersection of Red Road and 128, head north on Red Road for 4.5 miles, before turning left and heading west for 1.5 miles. Turn right and head north to the pad area.

located at 32.3154437, -103.7621329.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

APPENDIX B

WATER WELL DATA

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-2777

Name of well owner: U.S. Department of Energy Carlsbad Field Office

Mailing address: PO Box 3090

City: Carlsbad State: New Mexico Zip code: 88221-3090

Phone number: (575)-234-7488 E-mail: George.Basabilvazo@wipp.ws

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Stewart Brothers Drilling Company

New Mexico Well Driller License No.: WD331 Expiration Date: 8/31/15

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 18 min, 42.0588 sec
Longitude: -103 deg, 45 min, 26.7078 sec, NAD 83

2) Reason(s) for plugging well: A recent video log showed that the open hole portion has filled in and the steel casing is degraded.

3) Was well used for any type of monitoring program? YES If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? YES If yes, provide additional detail, including analytical results and/or laboratory report(s): Historical water quality sampling from 1985 showed results of TDS: 140,500 mg/L; Cl: 79,000 mg/L; Na: 49,200 mg/L; Ca: 1,760 mg/L; Mg: 1,980 mg/L; SO4: 7,210 mg/L; pH: 7.2

5) Static water level: 466.25 (feet below land surface) / feet above land surface (circle one)

6) Depth of the well: 890 feet

C-2777
478628

7) Inside diameter of innermost casing: 5 inches.

8) Casing material: Steel

9) The well was constructed with:

XX an open-hole production interval, state the open interval: 823-890 ft

____ a well screen or perforated pipe, state the screened interval(s):

10) What annular interval surrounding the artesian casing of this well is cement-grouted? 823 to surface

11) Was the well built with surface casing? YES If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? YES If yes, please describe: The annulus is cemented completely with Portland Type II cement.

12) Has all pumping equipment and associated piping been removed from the well? YES If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: Tremie Pipe

2) Will well head be cut-off below land surface after plugging? No

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 5 yards

4) Type of Cement proposed: Portland Type II

5) Proposed cement grout mix: 5 to 6 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: XX batch-mixed and delivered to the site

____ mixed on site

7) Grout additives requested, and percent by dry weight relative to cement: NA

8) Additional notes and calculations: See attached scope of work for additional information.

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

See attached scope of work for additional information.

VIII. SIGNATURE:

I, George T. Basabilvazo, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

George T. Basabilvazo — Signature of Applicant

5-24-14 — Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

X Approved subject to the attached conditions.

_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 25th day of June, 2014

Scott A. Verhines, State Engineer

By: /s/ Mike C. Goetz

For Andy Morley

District II Manager

Conditions of Approval: Artesian Well Plan of Operations for Monitoring Well C- 3749 POD 1 and Plugging Plan for replacement well to C-2777 POD 1:

- The target aquifer for the applicant is the Culebra member of the Rustler Formation, estimated from 823 to 850 ft below ground surface. The annular seal above and below the screened interval shall be placed such that Culebra Member is isolated from overlying Tamarisk and underlying Los Medanos Members.

- Based on submitted groundwater quality parameters, moderate concentrations of sulfate are anticipated to occur in groundwater at this location, therefore, Type II Portland (sulfate-resistant) cement is required where groundwater concentrations of up to 1500 mg/l SO_4 are encountered. Type V or comparable or fly-ash enhanced sulfate resistant cement is required where bedded sulfate mineralogy or groundwater concentrations of SO_4 exceed 1500 mg/l. Per phone conversation with driller, Southwest Readimix and OSE representative, Southwest Readimix Type I/II also meets ASTM standards for Type V sulfate resistant cement. Salt content of the surrounding formation may also impact sealing abilities of cement and bentonite. As such, the driller has proposed the use of SuperFlex Polyacrylate Grout which is approved for potable water systems and suitable for saline water conditions. The OSE finds the product appropriate for the annular seal above/below the filter pack.

- The blend of water to cement ratio shall be up to 5.2 to 6 gals per sack of cement for Portland Type II cement and accordance to manufacturer's specifications for sulfate and/or salt resistant blends.

- A variance is issued to omit steel casing and allow for the use of fiberglass production casing, which shall installed using centralizers as specified on the Plan. As communicated to the OSE representative, the fiberglass casing has been used extensively at the WIPP The application of annular sealants shall be conducted under pressure using tremie pipe. The OD of the casing is listed as 5.5 inches with the borehole diameter as 12 inch which provides sufficient annular space. The fiberglass casing will not require inspection prior to installation by an OSE representative.

- It will not be mandatory for an OSE representative to witness the cementing; however, please notify the OSE District II Office of the anticipated schedule for these events so that an OSE representative may have the opportunity to witness the procedures.

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	0		
Bottom of proposed interval of grout placement (ft bgl)	890		
Theoretical volume of grout required per interval (gallons)	1009		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?	Batch-mixed and delivered		
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

Goetz, Catherine, OSE

From: Joel Stewart [joel@stewartbrothers.com]
Sent: Wednesday, June 25, 2014 4:21 PM
To: Goetz, Catherine, OSE
Subject: Sulphate Resistant Cement for WIPP Project

Catherine,

I apologize for the delay in getting this to you. I got two phone calls right after we had spoken.

As we discussed on the telephone, the cement blend that SE Redimix will provide is sulphate resistant and meets the specifications of Type V. Please let me know if you need anything else.

Thanks for your help on all of this!

Also thanks for checking on the Jimmy Johnson permit for me.

Please give me a call if you have any questions.

Joel Stewrt
Stewart Brothers Drilling Co.
(505) 240-0681

Goetz, Catherine, OSE

From: Joel Stewart [joel@stewartbrothers.com]
Sent: Wednesday, June 25, 2014 2:33 PM
To: Goetz, Catherine, OSE
Cc: Randy Stewart
Subject: Stewart Brothers - WIPP - Procedures for Bentonite Seal

Hello Catherine,

I'm waiting to hear back from the SE Redimix guy to further discuss the sulphate resistant cement issue.

For the monitor well, as we have discussed we propose to use the following approach for the bentonite seals below and above the screen in order have it properly isolated.

Our drilling fluid engineer recommends using "Superflex Polyacrylate Grout". It is NSF 61 approved for use in potable water systems. For this application I would recommend placing 3-5 of very fine transition sand on top of the sand pack of screen section. Then +/- 5' of fairly coarse pea gravel to make the acrylate seal in. The pea gravel acts as a heat sink for the exothermic reaction of the grout setting process (temps up to 160F for a short period of time, usually less than 15 minutes). It also provides a lattice structure which strengthens the seal.

Thanks,

Joel H. Stewart
Stewart Brothers Drilling Co.
(505) 240-0681

Goetz, Catherine, OSE

From: Clayton Thayer [clayton@stewartbrothers.com]
Sent: Wednesday, June 11, 2014 8:55 AM
To: Goetz, Catherine, OSE
Cc: Joel Stewart; Rick Salness (Washington TRU Solutions)
Subject: WIPP C-2777 monitoring well
Attachments: App to Plug.pdf; H-12 plugging_SOW.docx; H-12R drilling plan of operations.doc; H-12R_Application to Drill.doc; H-12R drilling_SOW.docx

Ms. Goetz:

I spoke with Joel Stewart this morning and he asked that I confirm receipt of these documents on his behalf. Stewart Brothers Drilling Company, and Joel Stewart specifically, consent to the appropriate parties at WIPP submitting the Plan of Operation on our behalf.

Joel Stewart is currently out of the office but will be back in the office on Friday should you need to confirm any of this verbally with him.

Respectfully,

Clayton Thayer
STEWART BROTHERS DRILLING COMPANY
P.O Box 2067 Milan, New Mexico 87021
Office: 505.287.2986
Mobile: 505.240.0833
Email: clayton@stewartbrothers.com

Begin forwarded message:

> **From:** "Salness, Rick - RES" <richard.salness@wipp.ws>
> **To:** "Joel Stewart" <joel@stewartbrothers.com>
> **Cc:** "Basabilvazo, George - DOE" <George.Basabilvazo@wipp.ws>, "Seal, Brett - RES" <brett.seal@wipp.ws>, "katherine.goetz@state.nm.us" <katherine.goetz@state.nm.us>
> **Subject: FW: Application to Drill H-12**
>
> Joel – over the years we have developed and signed the Plan of Operation for P&A and drilling wells for the New Mexico Office of the State Engineer (NMOSE) and have had them approved accordingly. In 19.27.4.31 NMAC it requires the Licensed Well Driller to completed the Plan of Operation. In discussions with Ms. Kathy Goetz of the NMOSE today, she has agreed to an email from you approving the attached applications and plans. I know you have seen these before with the bid package, but feel free to review again. If you could then forward this email, and cc all persons referenced, to Kathy with your approval it will satisfy this requirement.
>
> Also, in our bid package and in accordance with past operations, we have requested a 15 pound per gallon cement mix for plugging. Kathy prefers a thicker mixer of 15.6 pounds per gallon and will make a note in the permit regarding this request. Give me a call with any questions.
>
> Thanks,
>
> Rick Salness, P.G.
> Manager, Environmental Monitoring and Hydrology

Nuclear Waste Partnership, LLC. - Regulatory Environmental Services Contractor for the U.S. Department of Energy
richard.salness@wipp.ws<mailto:richard.salness@wipp.ws>
(575)234-8966

Office of the State Engineer

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-2777

Name of well owner: U.S. Department of Energy Carlsbad Field Office

Mailing address: PO Box 3090

City: Carlsbad State: New Mexico Zip code: 88221-3090

Phone number: (575)-234-7488 E-mail: George.Basabilvazo@wipp.ws

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Stewart Brothers Drilling Company

New Mexico Well Driller License No.: WD331 Expiration Date: 8/31/15

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 18 min, 42.0588 sec
Longitude: -103 deg, 45 min, 26.7078 sec, NAD 83

2) Reason(s) for plugging well: A recent video log showed that the open hole portion has filled in and the steel casing is degraded.

3) Was well used for any type of monitoring program? YES If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? YES If yes, provide additional detail, including analytical results and/or laboratory report(s): Historical water quality sampling from 1985 showed results of TDS: 140,500 mg/L; Cl: 79,000 mg/L; Na: 49,200 mg/L; Ca: 1,760 mg/L; Mg: 1,980 mg/L; SO_4: 7,210 mg/L; pH: 7.2

5) Static water level: 466.25 (feet below land surface) / feet above land surface (circle one)

6) Depth of the well: 890 feet

478628

7) Inside diameter of innermost casing: 5 inches.

8) Casing material: Steel

9) The well was constructed with:

XX an open-hole production interval, state the open interval: 823-890 ft

____ a well screen or perforated pipe, state the screened interval(s): ____

10) What annular interval surrounding the artesian casing of this well is cement-grouted? 823 to surface

11) Was the well built with surface casing? YES If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? YES If yes, please describe: The annulus is cemented completely with Portland Type II cement.

12) Has all pumping equipment and associated piping been removed from the well? YES If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: Tremie Pipe

2) Will well head be cut-off below land surface after plugging? No

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 5 yards

4) Type of Cement proposed: Portland Type II

5) Proposed cement grout mix: 5 to 6 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: XX batch-mixed and delivered to the site

____ mixed on site

7) Grout additives requested, and percent by dry weight relative to cement: NA

8) Additional notes and calculations: See attached scope of work for additional information.

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

See attached scope of work for additional information.

VIII. SIGNATURE:

I, George T. Basabilvazo, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

George T. Basabilvazo — Signature of Applicant

1-13-14 — Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

✓ Approved subject to the attached conditions.
____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 14th day of March, 2014

Scott A. Verhines, State Engineer

By: Tim Wellman

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2014 JAN 27 AM 10 00

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	0		
Bottom of proposed interval of grout placement (ft bgl)	890		
Theoretical volume of grout required per interval (gallons)	1009		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?	Batch-mixed and delivered		
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2014 JAN 27 AM 10 00

SCOPE OF WORK

WELL H-12 PLUGGING AND ABANDONMENT

MTO 416558 – Task 4

Fiscal Year 2014

1.0 INTRODUCTION

H-12 (OSE File # C-2777) is in eastern Eddy county in Section 15, Township 23 south, Range 31 east. H-12 was drilled in 1983 by Pennsylvania Drilling Company for the U.S. Department of Energy (DOE) to establish flow characteristics existing south to south-east of the WIPP site in the Culebra member of the Rustler Formation.

Well H-12 (OSE #C-2777) was drilled in October 1983 as a hydrologic test hole to evaluate the transmissivity of the Culebra dolomite. A 7 7/8 inch hole was drilled to approximately 820 feet bgs and a 5 1/2 inch O.D. steel casing was cemented in place. The hole was then deepened as a 4 3/4 inch hole to 1001 feet bgs. In December 1983 the hole was plugged with cement to 890 feet bgs for Culebra monitoring (Figure 1). This well was also cleaned out in 2008 and a video log in July 2010 showed the open hole section to be filled in to approximately 836 feet bgs, leaving 16 feet of the open hole section clear. It was decided to schedule the well for replacement.

2.0 SCOPE OF WORK

The work scope for well H-12 is to plug and abandon and remove it from the monitoring network. Following completion of the plugging process, the well driller will complete a well report documenting the plugging process and submit it to the New Mexico Office of the State Engineer (NMOSE).

For Well H-12, the Contractor Shall:

1. Mobilize to Well H-12 location.
   Move all necessary equipment and materials to the location and prepare to perform P&A activities.

2. Remove well head appurtenances.

3. Scrape the well casing to remove debris and corrosion, creating a smooth surface for cement adhesion.

4. Circulate the well inside the casing to remove all debris down to the total depth of the well, confirming all debris has been cleaned to total depth.

5. Cement well from total depth to the surface using Portland Type II Neat Cement mixed with freshwater to a density of 15 pounds per gallon, containing no more than 3% calcium chloride. Contractor shall provide cement scales to confirm density of cement mix.

6. Monument H-12 according to BLM requirements (Figure 2).

7. Record the plugging and abandonment of H-12 (C-2777) with the NMOSE by a licensed New Mexico water well driller.

Other Scope Requirements

1. Provide current Job Hazard Analysis of P&A work for review and approval by NWP safety personnel prior to starting work.

2. Provide ancillary support for scheduling water trucks, vacuum trucks (if needed), frac tanks, and cleaning/policing the location and managing trash.

3. Provide daily cost and driller reports to the Site Project Manager summarizing the cost for the previous day's work.

4. Quality requirements will be assured through STR management and oversight of contractor's fieldwork.

Well H-12 Deliverables

Within 20 days of completion of the activities at the H-12 pad, the contractor shall provide the following items to the WIPP representative:

1. Notification to the OSE of the well plugging and reconfiguration, signed by a Licensed Water Well Driller.

Figure 1
Construction of Well H-12

(Not to Scale)

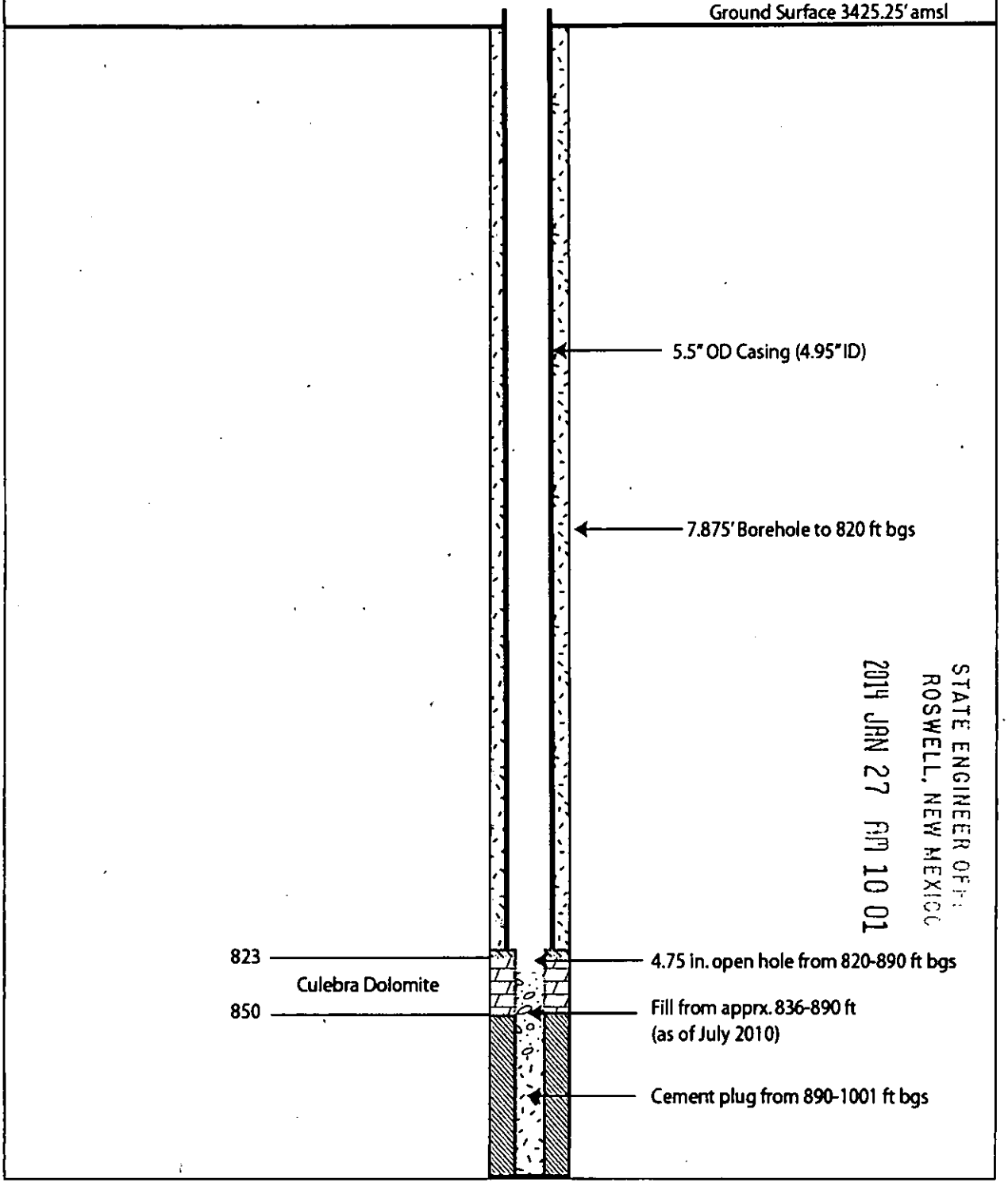
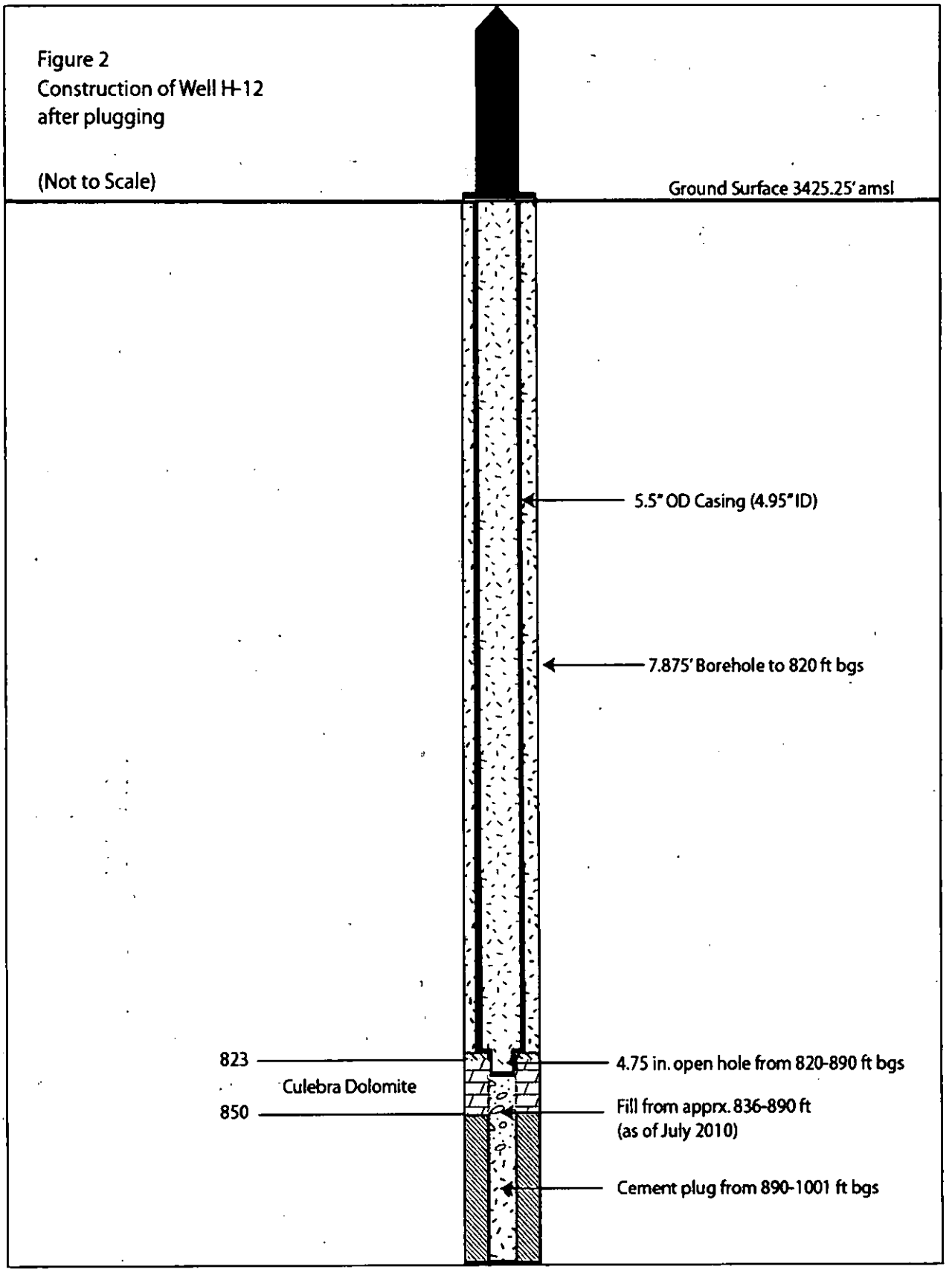


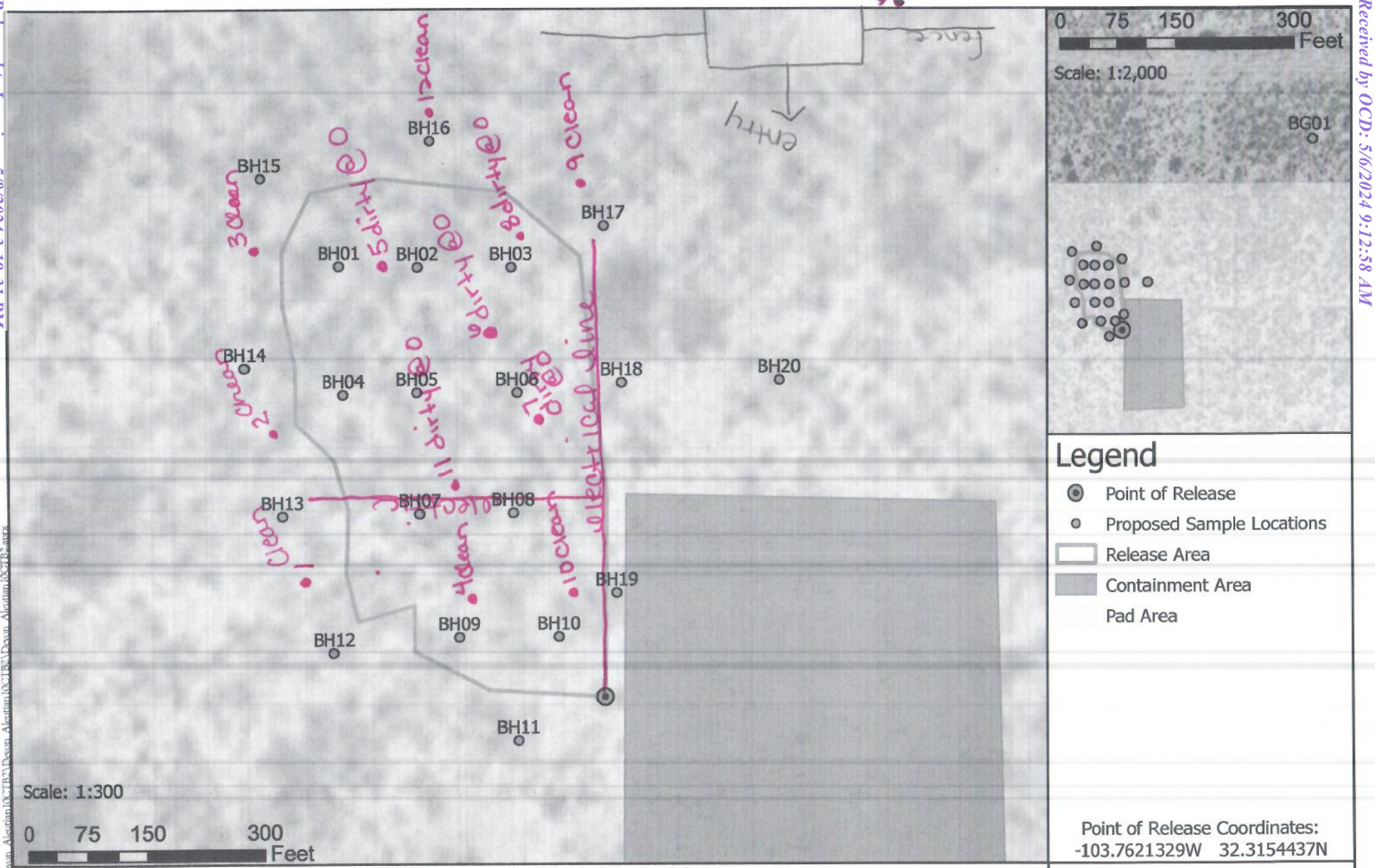
Figure 2
Construction of Well H-12
after plugging

(Not to Scale)



APPENDIX C

FIELD NOTES AND PHOTOGRAPH LOG



Legend

- Point of Release
- Proposed Sample Locations
- Release Area
- Containment Area
- Pad Area

Point of Release Coordinates:
-103.7621329W 32.3154437N

Proposed Delineation Sample Location Map
Aleutian 10 CTB 2 - Devon Energy Production Co
UL: J S: 10 T: 23S R: 31E, Eddy County, New Mexico

Figure A

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

Drawn Sarahmay Schlea
Date 11/9/2023
Checked
Approved

SMA
Souder, Miller & Associates
Engineering • Environmental
Colorado
201 South Halagueno Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains

C:\Users\sschlea\Desktop\GIS\Devon\Devon Aleutian\10CTB2\Devon Aleutian 10CTB2.aprx
Date Saved: 11/9/2023

SMA FIELD SCREENING

LOCATION NAME: Aleutian 1D CTB2

SAMPLING DATE: 11/14/2023

SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BH01@0	0855		0.07	17.2		
BH01@1	0900		0.1	15.9		
BH01@2	0902		0.07	15.8		
BH01@3	0905		0.08	16.1		
BH01@4	0906		0.1	16.1		
BH02@0	0927		0.22	15.9		
BH02@1	0943		0.07	15.7		
BH02@2	0945		0.04	16.2		
BH02@3	0947		0.07	15.9		
BH02@4	0949		0.06	16.4		
BH03@0	0957		0.22	16.4		
BH03@1	1024		0.09	17.5		
BH03@2	1027		0.04	17.1		
BH03@3	1029		0.04	16.8		
BH03@4	1030		0.03	17		
BH04@0	1056		0.02	18.9		
BH04@1	1107		0.08	17.7		
BH04@2	1109		0.07	16.9		
BH04@3	1112		0.06	17		
BH04@4	1115		0.06	17.1		

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

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

mositure level: dry, moist, wet

20 rows/sheet

SMA FIELD SCREENING

LOCATION NAME: Aleutian 10 CTB 2

SAMPLING DATE: 11/14/2023

SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BH05@0	11:17		5.56	16.8		
BH05@1	11:25		0.08	17.4		
BH05@2	11:26		0.07	16.7		
BH05@3	11:49		0.17	16.9		
BH05@4	11:51		0.08	16.7		
BH06@0	11:56		5.05	16.6		
BH06@1	12:00		0.13	17.3		
BH06@2	12:02		0.06	16.8		
BH06@3	12:04		0.11	16.5		
BH06@4	12:05		0.09	16.6		
BH07@0	12:12		2.7	19.8		
BH07@1	12:15		0.07	17		
BH07@4	12:18		0.12	16.8		
BH08@0	12:27		4.54	16.7		
BH08@1	12:34		0.09	16.6		
BH08@4	12:37		0.11	16.9		
BH09@0	13:00		10.1	16.4		
BH09@1	13:08		0.06	16.7		
BH09@4	13:10		0.08	16.7		
BH10@0	13:15		0.08	17		

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

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

mositure level: dry, moist, wet

20 rows/sheet

SMA FIELD SCREENING

LOCATION NAME: Aleutian 10 CTB 2

SAMPLING DATE: 11/14/2023

SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
BH10@1	13:20		0.66	18.4		
BH10@3	13:26		0.06	17		Refusal
BH11@0	13:31		3.74	16.4		
BH11@1	13:36		0.10	16.5		
BH11@4	1338		0.16	16.8		
BH12@0	1345		0.14	16.7		
BH12@1	1350		0.23	17.1		Refusal
BG01@0	1411		0.01	19.2		
BG01@1	1415		0.01	19		
BG01@2	1417		0.01	19.1		
BG01@3	1420		0.02	19.1		
BG02@4	1422		0.01	19		

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

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

mositure level: dry, moist, wet

20 rows/sheet

Devon
[illegible] 3 2 11/14/2023

on site at 8:20am meet on location with Andrew (PIMA). He stayed until 9:40am and was replaced by Audrey (PIMA).

Audrey ran EC's. I hand augered 13 holes to 4 ft except for 2 that I hit either a rock or roots.

Audrey (PIMA) left site at 2:15pm. I left at 3:20pm.

Weather was cool and cloudy.

FIELD SCREENING FORM

SAMPLE LOCATION: Aleutian 10 CTB 2					SAMPLE DATE: 11/14/2023		
SAMPLE NAME	Collection Time	PID (ppm)	EC (mS)	Temp (°C)	Chloride (ppm)	PetroFlag	Notes *(reason for lab test)*
BH01@0	8:55		0.07	17.2	193.5		lab- Cl *(surface perimeter delineation)*
BH01@1	9:00		0.1	15.9	291.3		
BH01@2	9:02		0.07	15.8	253.1		
BH01@3	9:05		0.08	16.1	254.5		
BH01@4	9:06		0.1	16.1	282.8		lab-Cl *(4 foot perimater delineation)*
BH02@0	9:27		0.22	15.9	461.4		lab- Cl *(surface perimeter delineation)*
BH02@1	9:43		0.07	15.7	257.3		
BH02@2	9:45		0.06	16.2	221.9		
BH02@3	9:47		0.22	15.9	461.4		
BH02@4	9:49		0.09	16.4	255.9		lab-Cl *(4 foot perimater delineation)*
BH03@0	9:57		0.04	16.4	185.0		lab- Cl *(surface perimeter delineation)*
BH03@1	10:24		0.04	17.5	138.2		
BH03@2	10:27		0.03	17.1	141.1		
BH03@3	10:29		0.2	16.8	394.8		
BH03@4	10:30		0.08	17	216.2		lab-Cl *(4 foot perimater delineation)*
BH04@0	10:56		0.2	18.9	305.5		lab- Cl *(surface perimeter delineation)*
BH04@1	11:07		0.08	17.7	186.4		
BH04@2	11:09		0.07	16.9	206.3		
BH04@3	11:12		0.06	17	187.9		
BH04@4	11:15		0.06	17.1	183.6		lab-Cl *(4 foot perimater delineation)*

BH05@0	11:17		5.56	16.8	7992.6		lab - Cl and BTEX and TPH *(high chloride, test for hydrocarbon)*
BH05@1	11:25		0.08	17.4	199.2		lab - Cl *(demonstrate it's out of contamination)*
BH05@2	11:26		0.07	16.7	214.8		
BH05@3	11:49		0.17	16.9	348.0		
BH05@4	11:51		0.08	16.7	229.0		lab - Cl *(4 foot delineation)*
BH06@0	11:56		5.05	16.6	7278.2		lab - Cl and BTEX and TPH *(high chloride, test for hydrocarbon)*
BH06@1	12:00		0.13	17.3	274.3		lab - Cl *(demonstrate it's out of contamination)*
BH06@2	12:02		0.06	16.8	196.4		
BH06@3	12:04		0.11	16.5	280.0		
BH06@4	12:05		0.09	16.6	247.4		lab - Cl *(4 foot delineation)*
BH07@0	12:12		2.7	19.8	3811.0		lab - Cl *(high field chloride)*
BH07@1	12:15		0.07	17	202.0		lab - Cl *(demonstrate it's out of contamination)*
BH07@4	12:18		0.12	16.8	281.4		lab - Cl *(4 foot delineation)*
BH08@0	12:27		4.54	16.7	6551.0		lab - Cl *(high field chloride)*
BH08@1	12:34		0.09	16.6	247.4		lab - Cl *(demonstrate it's out of contamination)*
BH08@4	12:37		0.11	16.9	263.0		lab - Cl *(4 foot delineation)*
BH09@0	13:00		0.1	16.4	270.1		lab- Cl *(surface perimeter delineation)*
BH09@1	13:08		0.06	16.7	200.6		
BH09@4	13:10		0.08	16.7	229.0		lab-Cl *(4 foot perimater delineation)*
BH10@0	13:15		0.08	17	216.2		lab- Cl *(surface perimeter delineation)*
BH10@1	13:20		0.06	18.4	128.3		
BH10@3	13:26		0.06	17	187.9		Refusal lab- Cl *(bottom delineation)*

BH11@0	13:31		3.74	17	5404.3		lab - Cl *(high field chloride)*
BH11@1	13:36		0.1	16.5	265.8		lab - Cl *(demonstrate it's out of contamination)*
BH11@4	13:38		0.16	16.8	338.1		lab - Cl *(4 foot delineation)*
BH12@0	13:45		0.14	16.7	314.0		lab- Cl *(surface perimeter delineation)*
BH12@1	13:50		0.23	17.1	424.6		Refusal lab- Cl *(bottom delineation)*
BG01@0	14:11		0.01	19.2	23.4		lab - Cl *(background sample)*
BG01@1	14:15		0.01	19	31.9		
BG01@2	14:17		0.01	19.1	27.7		
BG01@3	14:20		0.02	19.1	41.8		
BG01@4	14:22		0.01	19	31.9		lab-Cl *(background at 4 feet)*

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

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

mositure level: dry, moist, wet

20 rows/sheet

SUBJECT Field Notes - Liner Inspect, 811 Marking PROJECT Aleutian 10 CTB 2 PAGE 1 of 1

CLIENT Devon Energy DATE 11/8/2023 BY SS

CHECKED BY

Arrived on site @ 0820.
plan is to conduct the liner inspection first and then will mark the site for the 811 Locate Request.

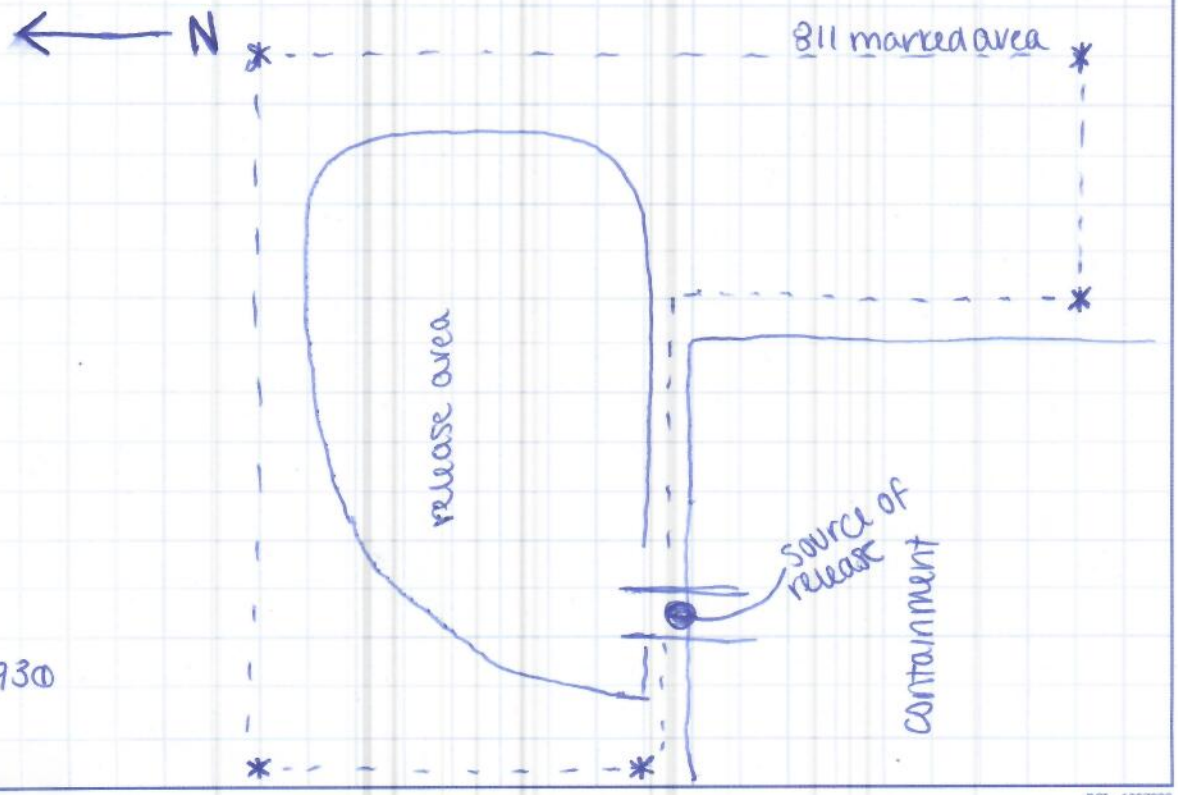
0825 - began liner inspection.
there's some residual staining / crystallization of the produced water release, but no holes or any other indication that the liner was compromised prior to or during the release

0900 - began marking the pad area for the 811 Locate Request
placed 5 flags to make an L-shape around the containment.

0910 - used my GPS unit to take coordinates of the flags I placed as well as make a track of the release area.

*due to the release location being on the edge of the containment, it is likely that the containment might need to be decommissioned and remade in order to fully clean up the release.

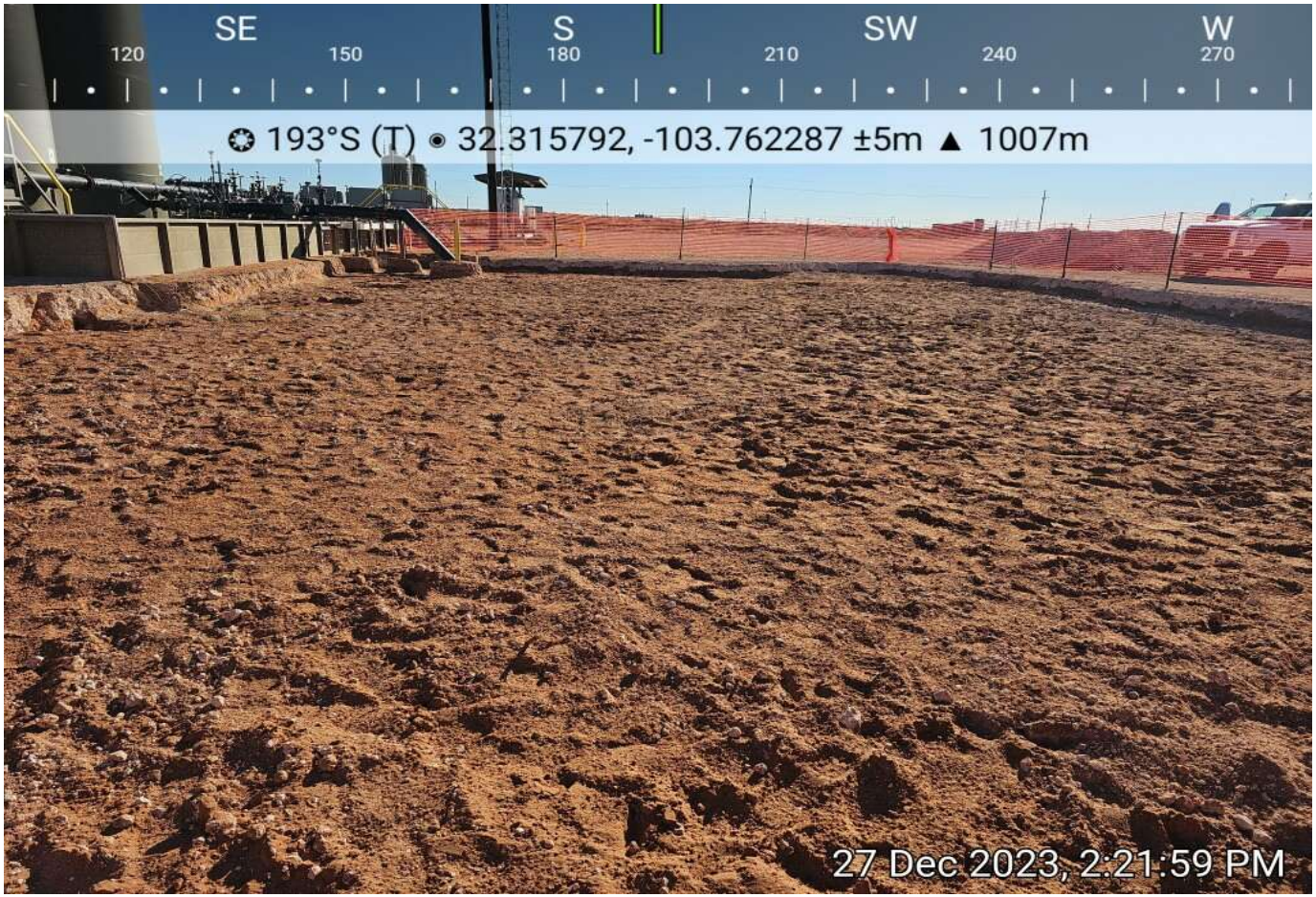
map of release area:



left site @ 0930

RCI - 1007805

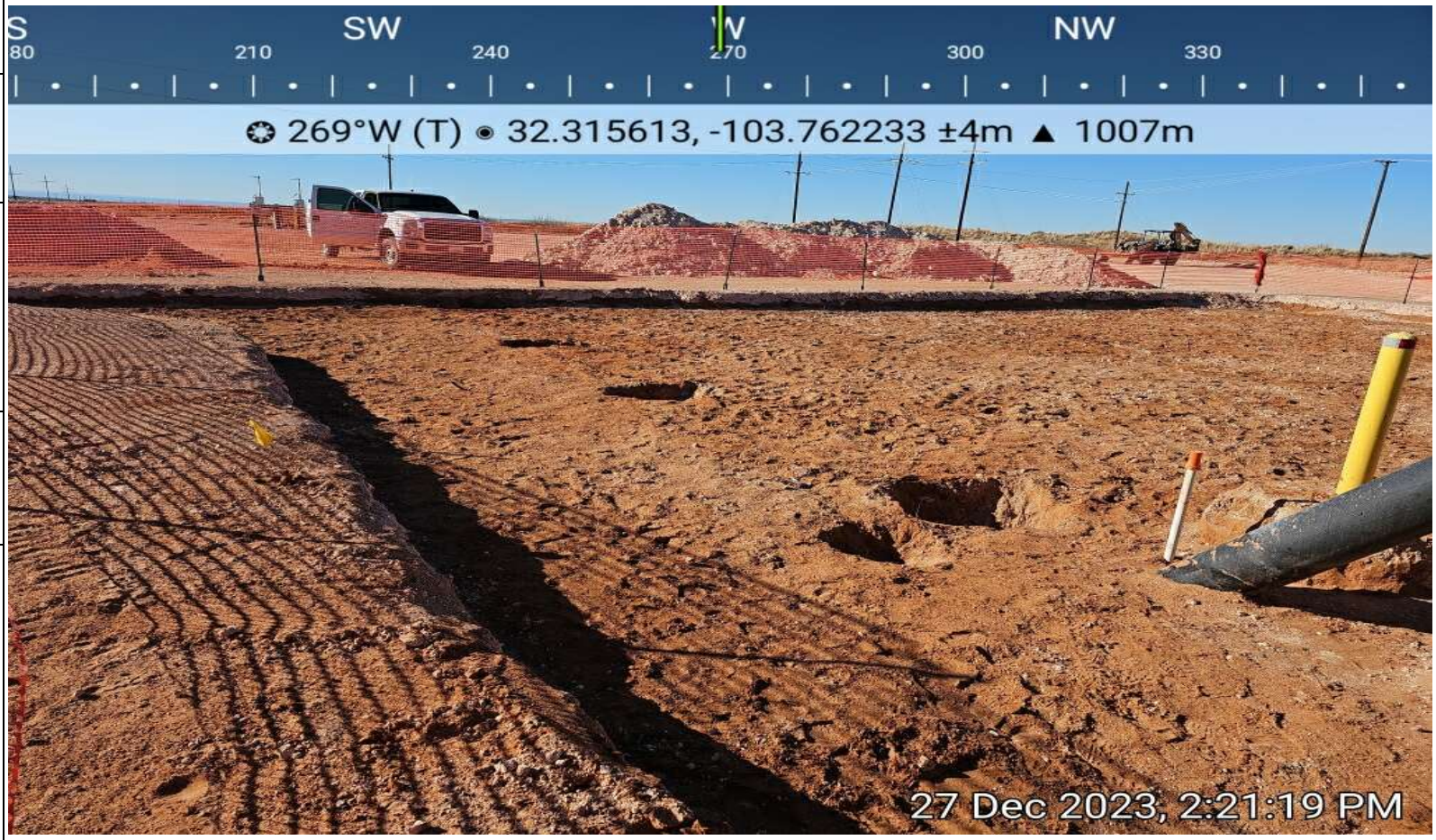
Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #1	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing South.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #2	
Client: Devon Energy :	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing Southeast.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #3	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing West.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #4	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing Northeast.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #5	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing Southwest.

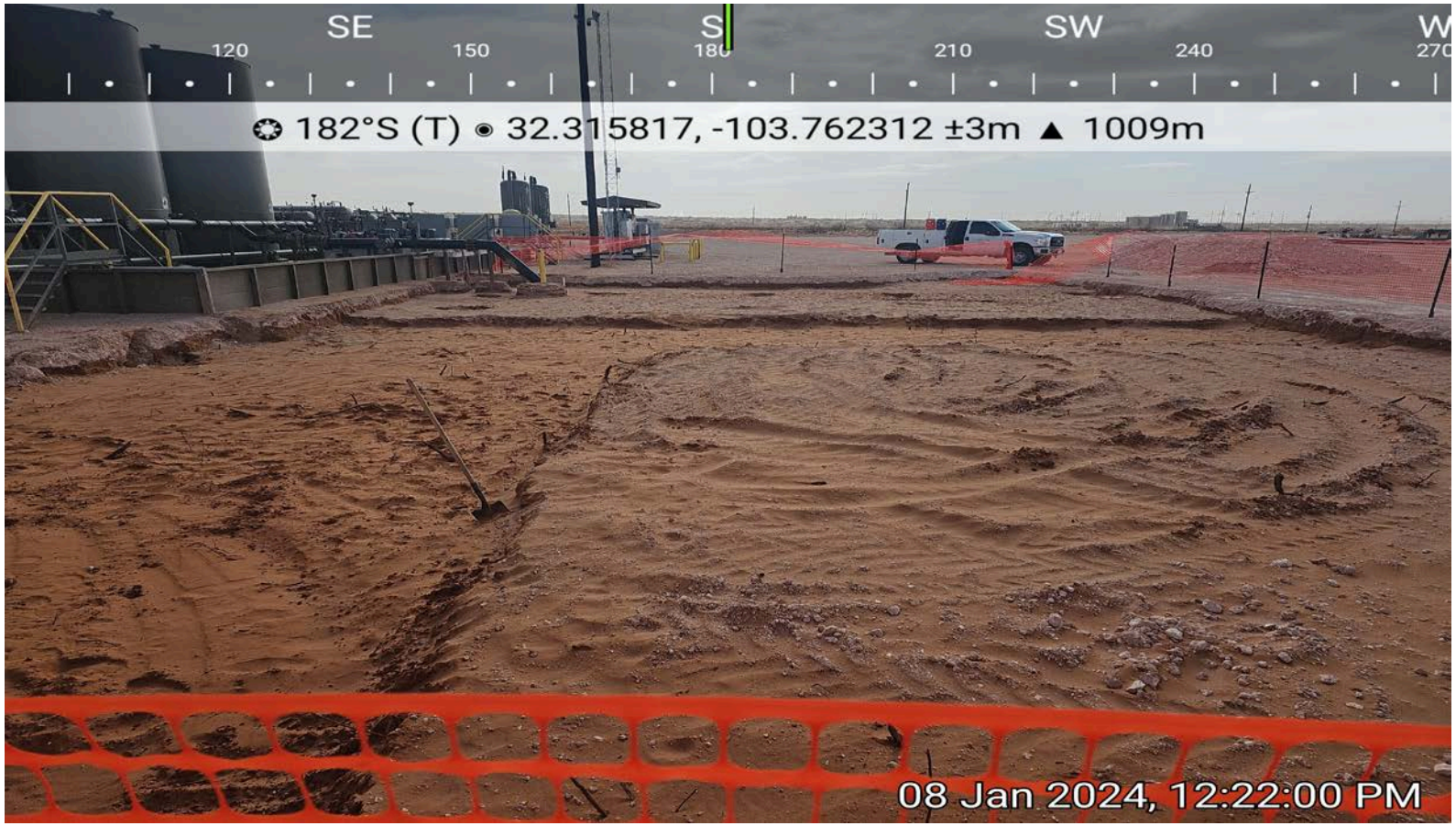
Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #6	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: December 27, 2023	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing North.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #7	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: January 08, 2024	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing Northwest.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #8	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: January 08, 2024	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Photo of conformation sampling area facing South.

Photograph Log
SITE: Aleutian 10 CTB 2
CLIENT: Devon Energy Production Co.

Photograph #9	
Client: Devon Energy	
Site Name: Aleutian 10 CTB 2	
Date Photo Taken: January 8, 2024	
Release Location: -103.7621329W 32.3154437N S: 10 T: 23S R: 31E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Shows sample area CS29 requesting deferral.

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Report to:

Stephanie Hinds

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	Devon Aleutian 10 CTB 2
Work Order:	E311165
Job Number:	01058-0007
Received:	11/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/29/23

Date Reported: 11/29/23

Stephanie Hinds
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Devon Aleutian 10 CTB 2
Workorder: E311165
Date Received: 11/18/2023 7:30:00AM

Stephanie Hinds,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Devon Aleutian 10 CTB 2.

The analytical test results summarized in this report with the Project Name: Devon Aleutian 10 CTB 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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Table of Contents

Table of Contents (continued)

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/23 17:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01@0	E311165-01A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH01@4	E311165-02A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH02@0	E311165-03A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH02@4	E311165-04A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH03@0	E311165-05A	Soil	11/18/23	11/18/23	Glass Jar, 2 oz.
BH03@4	E311165-06A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH04@0	E311165-07A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH04@4	E311165-08A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH05@0	E311165-09A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH05@4	E311165-10A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH06@0	E311165-11A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH06@4	E311165-12A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH07@0	E311165-13A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH07@4	E311165-14A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH08@0	E311165-15A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH08@4	E311165-16A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH09@0	E311165-17A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH09@4	E311165-18A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH10@0	E311165-19A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH10@3	E311165-20A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH11@0	E311165-21A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH11@4	E311165-22A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH12@0	E311165-23A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH12@1	E311165-24A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BG01@0	E311165-25A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.
BH01@4	E311165-26A	Soil	11/14/23	11/18/23	Glass Jar, 2 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH01@0

E311165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	ND	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH01@4

E311165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**26.9**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH02@0

E311165-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**305**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH02@4

E311165-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	ND	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH03@0

E311165-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**262**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH03@4

E311165-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	ND	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH04@0

E311165-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**136**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH04@4

E311165-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347040
Benzene	ND	0.0250	1	11/20/23	11/28/23	H3
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	H3
Toluene	ND	0.0250	1	11/20/23	11/28/23	H3
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	H3
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	H3
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	H3
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348035
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/23	11/28/23	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*11/28/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	ND	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH05@0

E311165-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**12100**	200	10	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH05@4

E311165-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**41.4**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH06@0

E311165-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347040
Benzene	ND	0.0250	1	11/20/23	11/28/23	H3
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	H3
Toluene	ND	0.0250	1	11/20/23	11/28/23	H3
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	H3
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	H3
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	H3
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348035
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/23	11/28/23	
Surrogate: n-Nonane		*75.2 %*	*50-200*	*11/28/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**11700**	200	10	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH06@4

E311165-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**35.6**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH07@0

E311165-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**5880**	100	5	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH07@4

E311165-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**88.3**	20.0	1	11/27/23	11/28/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH08@0

E311165-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**9080**	200	10	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH08@4

E311165-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**67.7**	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH09@0

E311165-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	**34.1**	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH09@4

E311165-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348019
Chloride	ND	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH10@0

E311165-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	ND	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH10@3

E311165-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	ND	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH11@0

E311165-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	**10400**	200	10	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH11@4

E311165-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	ND	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH12@0

E311165-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	**83.9**	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH12@1

E311165-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	**38.0**	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BG01@0

E311165-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	ND	20.0	1	11/27/23	11/29/23	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

BH01@4

E311165-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348020
Chloride	ND	20.0	1	11/27/23	11/29/23	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

Volatile Organics by EPA 8021B

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 (2347040-BLK1)									Prepared: 11/20/23 Analyzed: 11/29/23
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	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2347040-BS1)									Prepared: 11/20/23 Analyzed: 11/29/23
Benzene	4.93	0.0250	5.00		98.5	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130			
Toluene	4.90	0.0250	5.00		98.0	70-130			
o-Xylene	4.81	0.0250	5.00		96.1	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike (2347040-MS1)				**Source: E311162-07**					Prepared: 11/20/23 Analyzed: 11/29/23
Benzene	5.03	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.93	0.0250	5.00	ND	98.7	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2347040-MSD1)				**Source: E311162-07**					Prepared: 11/20/23 Analyzed: 11/29/23
Benzene	5.24	0.0250	5.00	ND	105	54-133	4.07	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133	4.00	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	4.01	20	
o-Xylene	5.14	0.0250	5.00	ND	103	63-131	4.08	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.93	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	3.98	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2347040-BLK1)									Prepared: 11/20/23 Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
LCS (2347040-BS2)									Prepared: 11/20/23 Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			
Matrix Spike (2347040-MS2)				**Source: E311162-07**					Prepared: 11/20/23 Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2347040-MSD2)				**Source: E311162-07**					Prepared: 11/20/23 Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130	1.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.4*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348035-BLK1)									Prepared: 11/28/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.0*		*50.0*		*90.0*	*50-200*			
LCS (2348035-BS1)									Prepared: 11/28/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
Surrogate: n-Nonane	*44.5*		*50.0*		*89.0*	*50-200*			
Matrix Spike (2348035-MS1)				**Source: E311204-03**					Prepared: 11/28/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132			
Surrogate: n-Nonane	*44.0*		*50.0*		*88.1*	*50-200*			
Matrix Spike Dup (2348035-MSD1)				**Source: E311204-03**					Prepared: 11/28/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.7	38-132	1.07	20	
Surrogate: n-Nonane	*41.3*		*50.0*		*82.7*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348019-BLK1)									Prepared: 11/27/23 Analyzed: 11/28/23
Chloride	ND	20.0							
LCS (2348019-BS1)									Prepared: 11/27/23 Analyzed: 11/28/23
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2348019-MS1)				**Source: E311165-02**					Prepared: 11/27/23 Analyzed: 11/28/23
Chloride	279	20.0	250	26.9	101	80-120			
Matrix Spike Dup (2348019-MSD1)				**Source: E311165-02**					Prepared: 11/27/23 Analyzed: 11/28/23
Chloride	281	20.0	250	26.9	101	80-120	0.684	20	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/2023 5:16:34PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348020-BLK1)									Prepared: 11/27/23 Analyzed: 11/29/23
Chloride	ND	20.0							
LCS (2348020-BS1)									Prepared: 11/27/23 Analyzed: 11/29/23
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2348020-MS1)				**Source: E311165-21**					Prepared: 11/27/23 Analyzed: 11/29/23
Chloride	10800	200	250	10400	154	80-120			M4
Matrix Spike Dup (2348020-MSD1)				**Source: E311165-21**					Prepared: 11/27/23 Analyzed: 11/29/23
Chloride	10300	200	250	10400	NR	80-120	4.10	20	M4

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:	Devon Aleutian 10 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	11/29/23 17:16

H3	Due to laboratory error, sample analysis was performed past holding time.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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: Devon Aleutian 10 CTB2
Project Manager: Stephanie Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 575 725 1311
Email: georgeann.goodman@soudermiller.com
Report due by:

Bill To

Attention:
Address: Devon Billing
City, State, Zip
Phone: WO# 21989209
Email:

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
PE311165	01058007	5day				

State: NM (X) / CO / UT / AZ / TX / OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
0855	11/14	S	1	BH01@0	1						X							
0906	↓	S	1	BH01 @4	2						X							
0927		S	1	BH02@0	3						X							
0949		S	1	BH02@4	4						X							
0957		S	1	BH03@0	5						X							
1030		S	1	BH03@4	6						X							
1056		S	1	BH04@0	7						X							
1115		S	1	BH04@4	8	X	X	X			X		X					
1117		S	1	BH05@0	9						X							
1156	↓	S	1	BH05@4	10						X							

Additional Instructions: Please send to Sarahmay.Schlea@soudermiller.com, georgeann.goodman@Soudermiller.com, Stephanie.hinds@soudermiller.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/17/23	100PM	Michelle [signature]	11-17-23	1430
Michelle [signature]	11-17-23	1700	Andrew Mosso	11.17.23	1800
Andrew Mosso	11.17.23	2400	[signature]	11.18.23	730

Lab Use Only

Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

Project Information

Client:	Souder Miller & Associates
Project:	Devon Aleutian 10 CTB2
Project Manager:	Steph Hinds
Address:	201 S Halagueno
City, State, Zip	Carlsbad NM 88220
Phone:	5757251311
Email:	
Report due by:	

Bill To

Attention:	
Address:	Devon Billing
City, State, Zip	
Phone:	WO# 21989209
Email:	

Lab Use Only

Lab WO#	Job Number
PE311165	01058000 7

TAT: 1D 3D — 5day

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1205	11/4	S	1	BH06@0	11	X	X	X			X	X		
1212		S	1	BH06@4	12						X			
1218		S	1	BH07@0	13						X			
1227		S	1	BH07@4	14						X			
1237		S	1	BH08@0	15						X			
1300		S	1	BH08@4	16						X			
1310		S	1	BH09@0	17						X			
1315		S	1	BH09@4	18						X			
1326		S	1	BH10@0	19						X			
1338	↓	S	1	BH10@3	20						X			

Additional Instructions:

Please see page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

	Date	Time		Date	Time
Relinquished by: (Signature)	11/17/23	1300	Received by: (Signature)	11-17-23	1430
Relinquished by: (Signature)	11-17-23	1700	Received by: (Signature)	11.17.23	1800
Relinquished by: (Signature)	11-17-23	2400	Received by: (Signature)	11.18.23	730

Lab Use Only

Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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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Chain of Custody

Project Information

Client: Souder Miller + Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 5757723 1311
Email:
Report due by:

Bill To
Attention: Devon Billing
Address:
City, State, Zip
Phone: WO # 21989209
Email:

Lab Use Only
Lab WO#: PE311105
Job Number: 01058-0007

TAT: 1D, 3D — 5day

EPA Program: RCRA, CWA, SDWA

State: NM X, CO, UT, AZ, TX, OK

Analysis and Method: DRO/ORO by 8015, GRO/DRO by 8015, BTEX by 8021, VOC by 8260, Metals 6010, Chloride 300.0, BGDOC - NM, BGDOC - TX

Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1338	11/14	S	1	BH11@0	21						X			
1331	↓	S	1	BH11@4	22						X			
1345		S	1	BH12@0	23						X			
1350		S	1	BH12@1	24						X			
1425		S	1	BG01@0	25						X			amartano 11/27/23 1330
1436	↓	S	1	BG01@4	26						X			

Additional Instructions: Please See Page 1.

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/17/23	1300	Michelle Gonzales	11-17-23	1430
Michelle Gonzales	11-17-23	1700	Andrew Musso	11.17.23	1800
Andrew Musso	11.17.23	2400	[signature]	11.18.23	730

Lab Use Only
Received on ice: (Y) N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10 CTB2
Project Manager: Stephanie Hinds
Address: 201 S Halagueno
City, State, Zip: Carlsbad NM 88220
Phone: 575 725 1311
Email: georgeann.goodman@soudermiller.com
Report due by: Soudermiller.com

Bill To
Attention:
Address: Devon Billing
City, State, Zip
Phone: WO# 21989209
Email:

Lab Use Only
Lab WO# PE311165
Job Number 01058C0007

TAT: 1D | 3D | 5day ✓
EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - Tx			Remarks
0855	11/14	S	1	BH01@0	1						X							
0904		S	1	BH01@4	2						X							
0927		S	1	BH02@0	3						X							
0949		S	1	BH02@4	4						X							
0957		S	1	BH03@0	5						X							
1030		S	1	BH03@4	6						X							
1056		S	1	BH04@0	7						X							
1115		S	1	BH04@4	8	X	X	X			X		X					
1117		S	1	BH05@0	9						X							
1156	↓	S	1	BH05@4	10						X							

Additional Instructions:
Please send to Sarahmay.Schlea@soudermiller.com, georgeann.goodman@Soudermiller.com, Stephanie.hinds@soudermiller.com.

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/17/23	1000PM	Michelle Garcia	11-17-23	1430
Michelle Garcia	11-17-23	1700	Andrew Hesse	11.17.23	1800
Andrew Hesse	11.17.23	2400		11.18.23	730

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10 CTB2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 5757251311
Email:
Report due by:

Bill To
Attention:
Address: Devon Billing
City, State, Zip
Phone: WO# 21989209
Email:

Lab Use Only
Lab WO#: PE31116S
Job Number: 01058-0007

TAT: 1D | 3D — 5day

EPA Program: RCRA | CWA | SDWA

State: NM (X) | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1205	11/14	S	1	BH06@0	11	X	X	X			X	X		
1212		S	1	BH06@4	12						X			
1218		S	1	BH07@0	13						X			
1227		S	1	BH07@4	14						X			
1237		S	1	BH08@0	15						X			
1300		S	1	BH08@4	16						X			
1310		S	1	BH09@0	17						X			
1315		S	1	BH09@4	18						X			
1326		S	1	BH10@0	19						X			
1338		S	1	BH10@3	20						X			

Additional Instructions:
Please see page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/17/23	1300	[signature]	11-17-23	1430
[signature]	11-17-23	1700	[signature]	11.17.23	1800
[signature]	11.17.23	2400	[signature]	11.18.23	730

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

5day

Project Information

Client: Souder Miller + Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 301 S Stanguano
City, State, Zip Carlsbad NM 88220
Phone: 5757231311
Email:
Report due by:

Bill To
Attention: Devon Billing
Address:
City, State, Zip
Phone: WO # 21989209
Email:

Lab Use Only
Lab WO# PE311165
Job Number 01058-0007

TAT: 1D | 3D | RCRA | CWA | SDWA

EPA Program

State: NM | CO | UT | AZ; TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1334	11/14	S	1	BH11@0	21						X							
1331	"	S	1	BH11@4	22						X							
1345	"	S	1	BH12@0	23						X							
1350	"	S	1	BH12@1	24						X							
1425	"	S	1	BG01@0	25						X							
1436	"	S	1	BG01@4	26													

Additional Instructions: Please see Page 1.

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/17/23	1300		11-17-23	1430
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-17-23	1700		11.17.23	1800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11.17.23	2400		11.18.23	730

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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: 11/20/2023 2:19:18PM

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:	11/18/23 07:30	Work Order ID:	E311165
Phone:	(575) 200-5443	Date Logged In:	11/18/23 10:15	Logged In By:	Alexa Michaels
Email:	stephanie.hinds@soudermiller.com	Due Date:	11/29/23 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

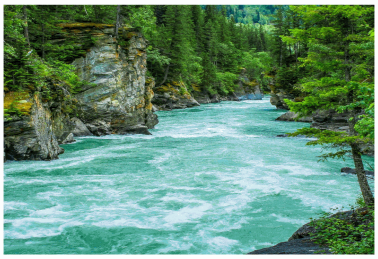
Signature of client authorizing changes to the COC or sample disposition.

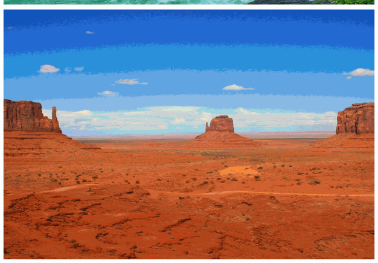
Date

envirotech Inc.

Report to:

Stephanie Hinds





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	Devon Aleutian 10 CTB 2
Work Order:	E312190
Job Number:	01058-0007
Received:	12/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/3/24

Date Reported: 1/3/24

Stephanie Hinds
401 W. Broadway
Farmington, NM 87401

Project Name: Devon Aleutian 10 CTB 2
Workorder: E312190
Date Received: 12/29/2023 7:30:00AM

Stephanie Hinds,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2023 7:30:00AM, under the Project Name: Devon Aleutian 10 CTB 2.

The analytical test results summarized in this report with the Project Name: Devon Aleutian 10 CTB 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area

Lynn Jarboe
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Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	01/03/24 13:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS01	E312190-01A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS02	E312190-02A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS03	E312190-03A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS04	E312190-04A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS05	E312190-05A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS06	E312190-06A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS07	E312190-07A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS08	E312190-08A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS09	E312190-09A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS10	E312190-10A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS11	E312190-11A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS12	E312190-12A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS13	E312190-13A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS14	E312190-14A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS15	E312190-15A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS16	E312190-16A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS17	E312190-17A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS18	E312190-18A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS19	E312190-19A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS20	E312190-20A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS21	E312190-21A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS22	E312190-22A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS23	E312190-23A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS24	E312190-24A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS25	E312190-25A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS26	E312190-26A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS27	E312190-27A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS28	E312190-28A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS29	E312190-29A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS30	E312190-30A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS01

E312190-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**47.4**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS02

E312190-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**354**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS03

E312190-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**175**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS04

E312190-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**135**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS05

E312190-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**940**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS06

E312190-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**111**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS07

E312190-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**486**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS08

E312190-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**59.1**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS09

E312190-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS10

E312190-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS11

E312190-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**37.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS12

E312190-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**69.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS13

E312190-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**604**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS14

E312190-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**1280**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS15

E312190-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**52.0**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS16

E312190-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**947**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS17

E312190-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**435**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS18

E312190-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS19

E312190-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**75.7**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS20

E312190-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**37.6**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS21

E312190-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**3900**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS22

E312190-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**2750**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS23

E312190-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1280**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS24

E312190-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1300**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS25

E312190-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**2380**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS26

E312190-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**132**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS27

E312190-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**67.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS28

E312190-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**297**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS29

E312190-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1640**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

CS30

E312190-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**74.4**	20.0	1	12/29/23	01/02/24	

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352041-BLK1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	ND	20.0							
LCS (2352041-BS1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	244	20.0	250		97.6	90-110			
Matrix Spike (2352041-MS1)				**Source: E312190-02**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	618	20.0	250	354	105	80-120			
Matrix Spike Dup (2352041-MSD1)				**Source: E312190-02**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	609	20.0	250	354	102	80-120	1.46	20	

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/3/2024 1:38:41PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352042-BLK1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	ND	20.0							
LCS (2352042-BS1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	239	20.0	250		95.7	90-110			
Matrix Spike (2352042-MS1)				**Source: E312190-22**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	2990	40.0	250	2750	95.8	80-120			
Matrix Spike Dup (2352042-MSD1)				**Source: E312190-22**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	2950	40.0	250	2750	80.4	80-120	1.30	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	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	01/03/24 13:38

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

WO#21989209

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 5757251311
Email: georgeann.goodman@
Report due by: Soudermiller.com

Bill To
Attention:
Address:
City, State, Zip Devon - Billing
Phone:
Email:

Lab Use Only
Lab WO# PE312190
Job Number 01058-0007

TAT: 1D [ ] 3D [X]

EPA Program: RCRA [ ] CWA [ ] SDWA [ ]

State: NM [X] CO [ ] UT [ ] AZ [ ] TX [ ] OK [ ]

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1330	12/27	S	1	CS01	1						X			
1332		S	1	CS02	2						X			
1333		S	1	CS03	3						X			
1335		S	1	CS04	4						X			
1337		S	1	CS05	5						X			
1339		S	1	CS06	6						X			
1340		S	1	CS07	7						X			
1341		S	1	CS08	8						X			
1343		S	1	CS09	9						X			
1345		S	1	CS10	10						X			

Additional Instructions:
Please Send to sarahmay.schlea@soudermiller.com & georgeann.goodman@soudermiller.com & Stephanie.Hinds@Souder

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Garza	12-28-23	0700
Michelle Garza	12-28-23	1520	Andrew Mesa	12-28-23	1730
Andrew Mesa	12.28.23	2345	Jmontano	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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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Chain of Custody

WO# 21989209

Project Information

Client: Souder Miller + Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip: Carlsbad NM 88220
Phone: 5757251311
Email:
Report due by:

Bill To

Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only

Lab WO# PE312190
Job Number 01058-0001

TAT: 1D | 3D: X

EPA Program: RCRA | CWA | SDWA

State: NM: X | CO | UT | AZ; TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1347	12/27	S	1	CS11	11						X			
1349	"	S	1	CS12	12						X			
1350		S	1	CS13	13						X			
1352		S	1	CS14	14						X			
1353		S	1	CS15	15						X			
1355		S	1	CS16	16						X			
1357		S	1	CS17	17						X			
1401		S	1	CS18	18						X			
1403		S	1	CS19	19						X			
1404	↓	S	1	CS20	20						X			

Additional Instructions:
Please send Page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28	700am	Michelle Gaylor	12.28.23	0700
Michelle Gaylor	12.28.23	1520	Andrew Muñoz	12.28.23	1730
Andrew Muñoz	12.28.23	2345	Monteo	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

WO# 21989209

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10CTB2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM
Phone: 575 7251311
Email:
Report due by:

Bill To

Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only

Lab WO# PC312190
Job Number 01058-0007

TAT: 1D | 3D: X

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1406	12/27	S	1	CS21	21						X			
1408		S	1	CS22	22						X			
1409		S	1	CS23	23						X			
1411		S	1	CS24	24						X			
1414		S	1	CS25	25						X			
1416		S	1	CS26	26						X			
1417		S	1	CS27	27						X			
1419		S	1	CS28	28						X			
1422		S	1	CS29	29						X			
1424	↓	S	1	CS30	30						X			

Additional Instructions:
Please see page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Gaylor	12-28-23	0700
Michelle Gaylor	12-28-23	1520	Andrew Lusso	12.28.23	1730
Andrew Lusso	12.28.23	2345	[illegible]	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Envirotech Analytical Laboratory

Printed: 12/29/2023 11:03:15AM

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	Date Received:	12/29/23 07:30	Work Order ID:	E312190
Phone:	505-793-7079	Date Logged In:	12/28/23 15:06	Logged In By:	Jordan Montano
Email:	stephanie.hinds@soudermiller.com	Due Date:	01/03/24 17:00 (2 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Stephanie Hinds

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	Devon Aleutian 10 CTB 2
Work Order:	E312190
Job Number:	01058-0007
Received:	12/29/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/10/24

Date Reported: 1/10/24

Stephanie Hinds
401 W. Broadway
Farmington, NM 87401

Project Name: Devon Aleutian 10 CTB 2
Workorder: E312190
Date Received: 12/29/2023 7:30:00AM

Stephanie Hinds,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2023 7:30:00AM, under the Project Name: Devon Aleutian 10 CTB 2.

The analytical test results summarized in this report with the Project Name: Devon Aleutian 10 CTB 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	01/10/24 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS01	E312190-01A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS02	E312190-02A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS03	E312190-03A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS04	E312190-04A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS05	E312190-05A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS06	E312190-06A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS07	E312190-07A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS08	E312190-08A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS09	E312190-09A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS10	E312190-10A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS11	E312190-11A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS12	E312190-12A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS13	E312190-13A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS14	E312190-14A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS15	E312190-15A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS16	E312190-16A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS17	E312190-17A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS18	E312190-18A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS19	E312190-19A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS20	E312190-20A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS21	E312190-21A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS22	E312190-22A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS23	E312190-23A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS24	E312190-24A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS25	E312190-25A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS26	E312190-26A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS27	E312190-27A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS28	E312190-28A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS29	E312190-29A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.
CS30	E312190-30A	Soil	12/27/23	12/29/23	Glass Jar, 2 oz.

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS01

E312190-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/05/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/05/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**47.4**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS02

E312190-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/05/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/05/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**354**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS03

E312190-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/05/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*01/05/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**175**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS04

E312190-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/05/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/05/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**135**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS05

E312190-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**940**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS06

E312190-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**111**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS07

E312190-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**486**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS08

E312190-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**59.1**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS09

E312190-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS10

E312190-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS11

E312190-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**37.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS12

E312190-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/05/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/05/24	
Toluene	ND	0.0250	1	01/05/24	01/05/24	
o-Xylene	ND	0.0250	1	01/05/24	01/05/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/05/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*01/05/24*	*01/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**69.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS13

E312190-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**604**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS14

E312190-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**1280**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS15

E312190-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/06/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/06/24	
Toluene	ND	0.0250	1	01/05/24	01/06/24	
o-Xylene	ND	0.0250	1	01/05/24	01/06/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/06/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**52.0**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS16

E312190-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**947**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS17

E312190-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/06/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/06/24	
Toluene	ND	0.0250	1	01/05/24	01/06/24	
o-Xylene	ND	0.0250	1	01/05/24	01/06/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/06/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**435**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS18

E312190-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/06/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/06/24	
Toluene	ND	0.0250	1	01/05/24	01/06/24	
o-Xylene	ND	0.0250	1	01/05/24	01/06/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/06/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	ND	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS19

E312190-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/06/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/06/24	
Toluene	ND	0.0250	1	01/05/24	01/06/24	
o-Xylene	ND	0.0250	1	01/05/24	01/06/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/06/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**75.7**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS20

E312190-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Benzene	ND	0.0250	1	01/05/24	01/06/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/06/24	
Toluene	ND	0.0250	1	01/05/24	01/06/24	
o-Xylene	ND	0.0250	1	01/05/24	01/06/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/06/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/05/24*	*01/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/24	01/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/24	01/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/05/24*	*01/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352041
Chloride	**37.6**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS21

E312190-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**3900**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS22

E312190-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**2750**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS23

E312190-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1280**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS24

E312190-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1300**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS25

E312190-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**2380**	40.0	2	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS26

E312190-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Benzene	ND	0.0250	1	01/05/24	01/09/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/09/24	
Toluene	ND	0.0250	1	01/05/24	01/09/24	
o-Xylene	ND	0.0250	1	01/05/24	01/09/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/09/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/04/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/04/24	01/05/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/04/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**132**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS27

E312190-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Benzene	ND	0.0250	1	01/05/24	01/09/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/09/24	
Toluene	ND	0.0250	1	01/05/24	01/09/24	
o-Xylene	ND	0.0250	1	01/05/24	01/09/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/09/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/04/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/04/24	01/05/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/04/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**67.5**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS28

E312190-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Benzene	ND	0.0250	1	01/05/24	01/09/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/09/24	
Toluene	ND	0.0250	1	01/05/24	01/09/24	
o-Xylene	ND	0.0250	1	01/05/24	01/09/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/09/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/04/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/04/24	01/05/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/04/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**297**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS29

E312190-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**1640**	20.0	1	12/29/23	01/02/24	

Sample Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

CS30

E312190-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Benzene	ND	0.0250	1	01/05/24	01/09/24	
Ethylbenzene	ND	0.0250	1	01/05/24	01/09/24	
Toluene	ND	0.0250	1	01/05/24	01/09/24	
o-Xylene	ND	0.0250	1	01/05/24	01/09/24	
p,m-Xylene	ND	0.0500	1	01/05/24	01/09/24	
Total Xylenes	ND	0.0250	1	01/05/24	01/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2401033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/24	01/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.8 %*	*70-130*	*01/05/24*	*01/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2401028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/04/24	01/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/04/24	01/05/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/04/24*	*01/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352042
Chloride	**74.4**	20.0	1	12/29/23	01/02/24	

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Volatile Organics by EPA 8021B

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 (2401033-BLK1)									Prepared: 01/04/24 Analyzed: 01/04/24
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	*7.45*		*8.00*		*93.1*	*70-130*			
LCS (2401033-BS1)									Prepared: 01/04/24 Analyzed: 01/04/24
Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130			
Toluene	4.73	0.0250	5.00		94.6	70-130			
o-Xylene	4.69	0.0250	5.00		93.8	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2401033-MS1)				**Source: E401011-04**					Prepared: 01/04/24 Analyzed: 01/05/24
Benzene	4.72	0.0250	5.00	ND	94.4	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	61-133			
Toluene	4.73	0.0250	5.00	ND	94.5	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike Dup (2401033-MSD1)				**Source: E401011-04**					Prepared: 01/04/24 Analyzed: 01/05/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	4.16	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133	4.12	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	4.17	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131	4.11	20	
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131	3.88	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	3.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Volatile Organics by EPA 8021B

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 (2401039-BLK1)									Prepared: 01/05/24 Analyzed: 01/05/24
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	*7.51*		*8.00*		*93.8*	*70-130*			
LCS (2401039-BS1)									Prepared: 01/05/24 Analyzed: 01/05/24
Benzene	4.88	0.0250	5.00		97.6	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.3	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.84	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike (2401039-MS1)				**Source: E312190-06**					Prepared: 01/05/24 Analyzed: 01/05/24
Benzene	5.45	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.47	0.0250	5.00	ND	109	61-130			
o-Xylene	5.41	0.0250	5.00	ND	108	63-131			
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131			
Total Xylenes	16.4	0.0250	15.0	ND	110	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2401039-MSD1)				**Source: E312190-06**					Prepared: 01/05/24 Analyzed: 01/05/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	12.4	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133	11.7	20	
Toluene	4.84	0.0250	5.00	ND	96.8	61-130	12.1	20	
o-Xylene	4.79	0.0250	5.00	ND	95.9	63-131	12.1	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	11.6	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	11.8	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2401033-BLK1)									Prepared: 01/04/24 Analyzed: 01/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.8*	*70-130*			
LCS (2401033-BS2)									Prepared: 01/04/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2401033-MS2)				**Source: E401011-04**					Prepared: 01/04/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike Dup (2401033-MSD2)				**Source: E401011-04**					Prepared: 01/04/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.5	70-130	1.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2401039-BLK1)									Prepared: 01/05/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
LCS (2401039-BS2)									Prepared: 01/05/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2401039-MS2)				**Source: E312190-06**					Prepared: 01/05/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2401039-MSD2)				**Source: E312190-06**					Prepared: 01/05/24 Analyzed: 01/05/24
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130	8.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2401028-BLK1)									Prepared: 01/04/24 Analyzed: 01/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
LCS (2401028-BS1)									Prepared: 01/04/24 Analyzed: 01/04/24
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
Matrix Spike (2401028-MS1)				**Source: E401012-01**					Prepared: 01/04/24 Analyzed: 01/04/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2401028-MSD1)				**Source: E401012-01**					Prepared: 01/04/24 Analyzed: 01/04/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	2.22	20	
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2401040-BLK1)									Prepared: 01/05/24 Analyzed: 01/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*50-200*			
LCS (2401040-BS1)									Prepared: 01/05/24 Analyzed: 01/05/24
Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	*62.1*		*50.0*		*124*	*50-200*			
Matrix Spike (2401040-MS1)				**Source: E312190-16**					Prepared: 01/05/24 Analyzed: 01/05/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
Matrix Spike Dup (2401040-MSD1)				**Source: E312190-16**					Prepared: 01/05/24 Analyzed: 01/05/24
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	1.06	20	
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352041-BLK1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	ND	20.0							
LCS (2352041-BS1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	244	20.0	250		97.6	90-110			
Matrix Spike (2352041-MS1)				**Source: E312190-02**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	618	20.0	250	354	105	80-120			
Matrix Spike Dup (2352041-MSD1)				**Source: E312190-02**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	609	20.0	250	354	102	80-120	1.46	20	

QC Summary Data

Souder Miller & Associates	Project Name:	Devon Aleutian 10 CTB 2	**Reported:**
401 W. Broadway	Project Number:	01058-0007	
Farmington NM, 87401	Project Manager:	Stephanie Hinds	1/10/2024 1:19:38PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352042-BLK1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	ND	20.0							
LCS (2352042-BS1)									Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	239	20.0	250		95.7	90-110			
Matrix Spike (2352042-MS1)				**Source: E312190-22**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	2990	40.0	250	2750	95.8	80-120			
Matrix Spike Dup (2352042-MSD1)				**Source: E312190-22**					Prepared: 12/29/23 Analyzed: 01/02/24
Chloride	2950	40.0	250	2750	80.4	80-120	1.30	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	Project Name:	Devon Aleutian 10 CTB 2	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Stephanie Hinds	01/10/24 13:19

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

WO#21989209

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 5757251311
Email: georgeann.goodman@
Report due by: Soudermiller.com

Bill To
Attention:
Address:
City, State, Zip Devon - Billing
Phone:
Email:

Lab Use Only
Lab WO# PE312190
Job Number 01058-0007

TAT: 1D [ ] 3D [X]

EPA Program: RCRA [ ] CWA [ ] SDWA [ ]

State: NM [X] CO [ ] UT [ ] AZ [ ] TX [ ] OK [ ]

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1330	12/27	S	1	CS01	1						X			
1332		S	1	CS02	2						X			
1333		S	1	CS03	3						X			
1335		S	1	CS04	4						X			
1337		S	1	CS05	5						X			
1339		S	1	CS06	6						X			
1340		S	1	CS07	7						X			
1341		S	1	CS08	8						X			
1343		S	1	CS09	9						X			
1345	↓	S	1	CS10	10						X			

Additional Instructions:
Please Send to sarahmay.schlea@soudermiller.com & georgeann.goodman@soudermiller.com & Stephanie.Hinds@Souder

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Garza	12-27-23	0700
Michelle Garza	12-28-23	1520	Andrew Mesa	12-28-23	1730
Andrew Mesa	12.28.23	2345	Amontano	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

WO# 21989209

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip: Carlsbad NM 88220
Phone: 5757251311
Email:
Report due by:

Bill To

Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only

Lab WO# PE312190
Job Number 01058-0001

TAT: 1D | 3D: X

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ; TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1347	12/27	S	1	CS11	11						X			
1349		S	1	CS12	12						X			
1350		S	1	CS13	13						X			
1352		S	1	CS14	14						X			
1353		S	1	CS15	15						X			
1355		S	1	CS16	16						X			
1357		S	1	CS17	17						X			
1401		S	1	CS18	18						X			
1403		S	1	CS19	19						X			
1404		S	1	CS20	20						X			

Additional Instructions:
Please send Page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28	700am	Michelle Gaylor	12.28.23	0700
Michelle Gaylor	12.28.23	1520	Andrew Muse	12.28.23	1730
Andrew Muse	12.28.23	2345	Montero	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

WO# 21989209

Project Information

Client: Souder Miller + Associates
Project: Devon Aleutian 10CTB2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM
Phone: 575 7251311
Email:
Report due by:

Bill To

Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only

Lab WO# PC312190
Job Number 01058-0007

TAT: 1D | 3D: X

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1406	12/27	S	1	CS21	21						X			
1408		S	1	CS22	22						X			
1409		S	1	CS23	23						X			
1411		S	1	CS24	24						X			
1414		S	1	CS25	25						X			
1416		S	1	CS26	26						X			
1417		S	1	CS27	27						X			
1419		S	1	CS28	28						X			
1422		S	1	CS29	29						X			
1424	↓	S	1	CS30	30						X			

Additional Instructions:
Please see page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Gaylor	12-28-23	0700
Michelle Gaylor	12-28-23	1520	Andrew Lusso	12.28.23	1730
Andrew Lusso	12.28.23	2345	[illegible]	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Envirotech Analytical Laboratory

Printed: 12/29/2023 11:03:15AM

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	Date Received:	12/29/23 07:30	Work Order ID:	E312190
Phone:	505-793-7079	Date Logged In:	12/28/23 15:06	Logged In By:	Jordan Montano
Email:	stephanie.hinds@soudermiller.com	Due Date:	01/03/24 17:00 (2 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Chain of Custody

Project Information

WO#21989209

Client: Souder Miller & Associates
Project: Devon Alluvian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone: 5757251311
Email: georgeann.goodman@
Report due by: Soudermiller.com

Bill To
Attention:
Address:
City, State, Zip Devon - Billing
Phone:
Email:

Lab Use Only
Lab WO# PE312190 Job Number 01058-0007

TAT: 1D — 3D X

EPA Program: RCRA — CWA — SDWA

State: NM X — CO — UT — AZ — TX — OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1330	12/27	S	1	CS01	1						X	X		
1332		S	1	CS02	2						X	X		
1333		S	1	CS03	3						X	X		
1335		S	1	CS04	4						X	X		
1337		S	1	CS05	5						X			
1339		S	1	CS06	6						X	X		
1340		S	1	CS07	7						X	X		
1341		S	1	CS08	8						X	X		
1343		S	1	CS09	9						X	X		
1345	↓	S	1	CS10	10						X	X		

Additional Instructions: Please Send to sarahmay.schlea@soudermiller.com georgeann.goodman@soudermiller.com & Stephanie.Hinds@Souder

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Garcia	12.28.23	0700
Relinquished by: (Signature) Michelle Garcia	12-28-23	1520	Andrew Mesa	12.28.23	1730
Relinquished by: (Signature) Andrew Mesa	12.28.23	2345	Amontano	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

Project Information

WO# 21989209

Client: Souder Miller + Associates
Project: Devon Aleutian 10 CTB 2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip: Carlsbad NM 88220
Phone: 5757251311
Email:
Report due by:

Bill To
Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E312190
Job Number 01058-0007

TAT: 1D — 3D X

EPA Program: RCRA — CWA — SDWA

State: NM X — CO — UT — AZ — TX — OK

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | BGDOC - TX

Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1347	12/27	S	1	CS11	11	X	X		
1349		S	1	CS12	12	X	X		
1350		S	1	CS13	13	X			
1352		S	1	CS14	14	X			
1353		S	1	CS15	15	X	X		
1355		S	1	CS16	16	X			
1357		S	1	CS17	17	X	X		
1401		S	1	CS18	18	X	X		
1403		S	1	CS19	19	X	X		
1404	↓	S	1	CS20	20	X	X		

Additional Instructions:
Please Send Page 1

I, (field sampler), attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28	700am	Michelle Gay	12.28.23	0700
Michelle Gay	12.28.23	1520	Andrew Muse	12.28.23	1730
Andrew Muse	12.28.23	2345	Montero	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

WO# 219B9209

Project Information

Client: Souder Miller & Associates
Project: Devon Aleutian 10CTB2
Project Manager: Steph Hinds
Address: 201 S Halagueno
City, State, Zip: Carlsbad NM
Phone: 5757251311
Email:
Report due by:

Bill To
Attention:
Address: Devon - Billing
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E312190
Job Number 01058-0007

TAT: 1D | 3D: X

EPA Program: RCRA | CWA | SDWA

State: NM: X | CO | UT | AZ; TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.1	BGDOC - NM	BGDOC - TX	Remarks
1406	12/27	S	1	CS21	21						X			
1408		S	1	CS22	22						X			
1409		S	1	CS23	23						X			
1411		S	1	CS24	24						X			
1414		S	1	CS25	25						X			
1416		S	1	CS26	26						X	X		
1417		S	1	CS27	27						X	X		
1419		S	1	CS28	28						X	X		
1422		S	1	CS29	29						X			
1424	↓	S	1	CS30	30						X	X		

Additional Instructions:
Please see page 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/28/23	700am	Michelle Gaylor	12-28-23	0700
Michelle Gaylor	12.28.23	1520	Andrew Masso	12.28.23	1730
Andrew Masso	12.28.23	2345	[illegible]	12/29/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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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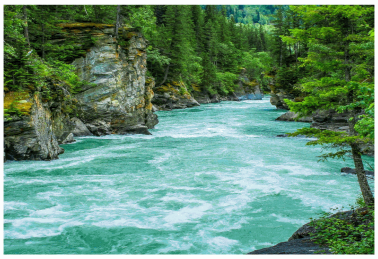
Report to:

Stephanie Hinds



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	Aleutian 10 CTB2
Work Order:	E401057
Job Number:	01058-0007
Received:	1/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/15/24

Date Reported: 1/15/24

Stephanie Hinds
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Aleutian 10 CTB2
Workorder: E401057
Date Received: 1/12/2024 7:00:00AM

Stephanie Hinds,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2024 7:00:00AM, under the Project Name: Aleutian 10 CTB2.

The analytical test results summarized in this report with the Project Name: Aleutian 10 CTB2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	01/15/24 14:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS13	E401057-01A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS14	E401057-02A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS29	E401057-03A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS05	E401057-04A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS16	E401057-05A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS25	E401057-06A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS24	E401057-07A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS23	E401057-08A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS22	E401057-09A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
CS21	E401057-10A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
SW1	E401057-11A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.
SW2	E401057-12A	Soil	01/11/24	01/12/24	Glass Jar, 2 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS13

E401057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	ND	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS14

E401057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**32.3**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS29

E401057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**4090**	40.0	2	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS05

E401057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**35.8**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS16

E401057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**41.0**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS25

E401057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*66.4 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**87.9**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS24

E401057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*92.5 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**39.4**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS23

E401057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**55.8**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS22

E401057-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**68.5**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

CS21

E401057-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**61.9**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

SW1

E401057-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**37.1**	20.0	1	01/12/24	01/12/24	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

SW2

E401057-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Benzene	ND	0.0250	1	01/12/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/12/24	
Toluene	ND	0.0250	1	01/12/24	01/12/24	
o-Xylene	ND	0.0250	1	01/12/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*01/12/24*	*01/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/12/24	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*01/12/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2402074
Chloride	**153**	20.0	1	01/12/24	01/12/24	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402075-BLK1)									Prepared: 01/12/24 Analyzed: 01/12/24
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	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2402075-BS1)									Prepared: 01/12/24 Analyzed: 01/12/24
Benzene	4.73	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.75	0.0250	5.00		95.1	70-130			
o-Xylene	4.73	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2402075-MS1)				**Source: E401057-08**					Prepared: 01/12/24 Analyzed: 01/12/24
Benzene	4.89	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.7	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2402075-MSD1)				**Source: E401057-08**					Prepared: 01/12/24 Analyzed: 01/12/24
Benzene	4.98	0.0250	5.00	ND	99.5	54-133	1.70	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	2.11	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	2.00	20	
o-Xylene	4.98	0.0250	5.00	ND	99.6	63-131	1.57	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	2.08	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	1.91	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.3*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402075-BLK1)									Prepared: 01/12/24 Analyzed: 01/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
LCS (2402075-BS2)									Prepared: 01/12/24 Analyzed: 01/12/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2402075-MS2)				**Source: E401057-08**					Prepared: 01/12/24 Analyzed: 01/12/24
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
Matrix Spike Dup (2402075-MSD2)				**Source: E401057-08**					Prepared: 01/12/24 Analyzed: 01/12/24
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	3.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402073-BLK1)									Prepared: 01/12/24 Analyzed: 01/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
LCS (2402073-BS1)									Prepared: 01/12/24 Analyzed: 01/12/24
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike (2402073-MS1)				**Source: E401059-02**					Prepared: 01/12/24 Analyzed: 01/12/24
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	38-132			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2402073-MSD1)				**Source: E401059-02**					Prepared: 01/12/24 Analyzed: 01/13/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	0.194	20	
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Aleutian 10 CTB2	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	1/15/2024 2:41:48PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402074-BLK1)									Prepared: 01/12/24 Analyzed: 01/12/24
Chloride	ND	20.0							
LCS (2402074-BS1)									Prepared: 01/12/24 Analyzed: 01/12/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2402074-MS1)				**Source: E401057-03**					Prepared: 01/12/24 Analyzed: 01/12/24
Chloride	4390	40.0	250	4090	116	80-120			
Matrix Spike Dup (2402074-MSD1)				**Source: E401057-03**					Prepared: 01/12/24 Analyzed: 01/12/24
Chloride	4510	40.0	250	4090	168	80-120	2.92	20	M4

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:	Aleutian 10 CTB2	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Stephanie Hinds	01/15/24 14:41

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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: Aleutian 1H CTB2
Project Manager: Stephanie Hinds
Address: 2001 S Halagueno St
City, State, Zip: Carlsbad, NM 88220
Phone:
Email: Stephanie.hinds@soudermiller.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# PE401057 | Job Number 01058000 7

TAT: 1D X | 3D

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM X | BGDOC - TX

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks
1002	1/11/24	Soil	1	CS13	1	
1005	1/11/24	Soil	1	CS14	2	
1006	1/11/24	Soil	1	CS29	3	hold
1008	1/11/24	Soil	1	CS05	4	
1011	1/11/24	Soil	1	CS16	5	
1014	1/11/24	Soil	1	CS25	6	
1016	1/11/24	Soil	1	CS24	7	
1019	1/11/24	Soil	1	CS23	8	
1021	1/11/24	Soil	1	CS22	9	
1024	1/11/24	Soil	1	CS21	10	

Additional Instructions: please send report to Saranmay.schlea@soudermiller.com & Georgeann Goodman@soudermiller.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Georgeann Goodman

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/11/24	1200	Michelle Gant	1-11-24	1200
Michelle Gant	1-11-24	1615	Andrew Musso	1-11-24	1700
Andrew Musso	1-11-24	2400	Kyle P Hall	1.12.24	0700

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, 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.

envirotech

Chain of Custody

Project Information

Client: Souder Miller + Associates
Project: Devon Aleutian 1&2 CTB 2
Project Manager: Stephanie Hinds
Address: 201 S Halagueno St
City, State, Zip: Carlsbad, NM 88220
Phone:
Email:
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO#: E401057
Job Number: 01058000-7

TAT: 1D X, 3D

EPA Program: RCRA, CWA, SDWA

State: NM X, CO, UT, AZ, TX, OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1027	1/11/24	Soil	1	SW1	11									X				hold
1030	1/11/24	Soil	1	SW2	12									X				hold

Additional Instructions: please hold

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Georgeann Goodman

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/11/24	1200		1-11-24	1200
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1-11-24	1615	Andrew Muñoz	1-11-24	1700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Andrew Muñoz	1-11-24	2400	Keyah R Hall	1-12-24	0700

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, 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.

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Envirotech Analytical Laboratory

Printed: 1/12/2024 3:55:50PM

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:	01/12/24 07:00	Work Order ID:	E401057
Phone:	(575) 200-5443	Date Logged In:	01/11/24 16:03	Logged In By:	Alexa Michaels
Email:	stephanie.hinds@soudermiller.com	Due Date:	01/15/24 17:00 (1 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

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 filteration 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

Comments/Resolution

COC Remarks: Samples -03, -11, and -12 are on hold per client request. Visable whiteout present on COC from client.

Client Instruction

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

Date

envirotech Inc.

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QUESTIONS

Action 340880

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330623246**
Incident Name	**NAPP2330623246 ALEUTIAN 10 CTB 2 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2300331384] ALEUTIAN 10 CTB 2**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ALEUTIAN 10 CTB 2
Date Release Discovered	11/01/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 8 BBL | Recovered: 3 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	10" TRUNKLINE GASKET BLEW APART CAUSING SPILL IN AND OUTSIDE THE CONTAINMENT ON LOCATION. SHUT OFF PUMPS AND ISOLATED LEAK. SHUT IN FACILITY FOR WATER TAKE AWAY 2.5 BBLS RECOVERED

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/05/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	12/14/2023
On what date will (or did) the final sampling or liner inspection occur	01/11/2024
On what date will (or was) the remediation complete(d)	01/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	200
What is the estimated volume (in cubic yards) that will be reclaimed	7.5
What is the estimated surface area (in square feet) that will be remediated	4742
What is the estimated volume (in cubic yards) that will be remediated	210
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/06/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**301016**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/11/2024**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**2000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4742
What was the total volume (cubic yards) remediated	210
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4742
What was the total volume (in cubic yards) reclaimed	210
Summarize any additional remediation activities not included by answers (above)	see report

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/06/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 340880

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 340880
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. A reclamation report and a revegetation report will need to be submitted prior to this incident receiving the final status of "Restoration Complete".	5/8/2024
bhall	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	5/8/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/8/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	5/8/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	5/8/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	5/8/2024