Oil Conservation Division

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Incident ID	nAPP2125141291
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?	$\frac{>55}{\text{bgs}}$ (ft
Did this release impact groundwater or surface water?	$\Box$ Yes $\boxtimes$ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	$\Box Yes \boxtimes No$
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No ☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No
Die die release impact areas <b>not</b> on an exploration, development, production, of storage site?	□ Yes ⊠ No

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

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

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

Field data

Data table of soil contaminant concentration data

 $\boxtimes$  Depth to water determination

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

Boring or excavation logs

Photographs including date and GIS information

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

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

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regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptanc and/or regulations.		elease notifications and perform rt by the OCD does not relieve t pose a threat to groundwater, sur perator of responsibility for com	corrective actions for rel- he operator of liability sh face water, human health ppliance with any other fe ofessional	eases which may endanger nould their operations have n or the environment. In
OCD Only Received by:	Jocelyn Harimon	Date:0	1/24/2023	

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Oil Conservation Division

Incident ID	nAPP2125141291
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# **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

 $\boxtimes$  Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Dale Woodall	Title: <u>Env. Professional</u>
Signature: Dale Woodall	Date: <u>1/24/2023</u>
email: <u>Dale.Woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
OCD Only	
Received by: Jocelyn Harimon	Date: 01/24/2023
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature:	Date:

•



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

January 23, 2023

#5E31003-BG3

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

SUBJECT: Remediation Plan with Request for Deferral for the Seawolf 1-12 CTB 1 (nrm2004353184 and nAPP2125141291), Lea County, New Mexico

#### 1.0 Introduction

On behalf of Devon Energy Production Company (Devon), Souder, Miller & Associates (SMA) has prepared this Remediation Plan with Request for Deferral that describes the remediation of a produced water release related to oil and gas production activities at the Seawolf 1-12 CTB 1 (nrm2004353184 and nAPP2125141291). The release site is located in Unit C, Section 1, Township 26S, Range 33E, Lea County, New Mexico, on public land administered by the Bureau of Land Management. 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	Seawolf 1-12 CTB 1	Company	Devon Energy Production Company									
API Number	N/A	Location	32.077077, -103.526861									
Land Status	Federal (BLM)	NMOCD Closure Criteria	51 to 100 feet bgs									
Incident Number nrm	2004353184	·										
Date Release	Release		Water dump valve of Seawolf 86H									
Discovered	January 23, 2020	Release	separator									
Released Volume	17.65 barrels (bbls) Produced Water	Recovered Volume	15 bbls Produced Water									
Incident Number nAP	P2125141291											
Date Release Discovered	August 20, 2021	Source of Release	Pin hole leak on water dump line									
Released Volume	5.99 bbls Produced Water	Recovered Volume	5 bbls Produced Water									

#### 2.0 Background

On January 23, 2020, and August 20, 2021, produced water releases were discovered at the Seawolf 1-12 CTB 1 site. Initial response activities were conducted by Devon, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. Copies of the notifications of release are included in Appendix A.

### 3.0 Site Information and Closure Criteria

The Seawolf 1-12 CTB 1 site is located approximately 20 miles southwest of Jal, New Mexico on Federal (BLM) land at an elevation of approximately 3,321 feet above mean sea level (amsl).

#### Depth to Groundwater

A test well, C-04628, was registered with the New Mexico Office of the State Engineer (NMOSE) and drilled approximately 860 feet north-northeast of the site. No groundwater was encountered to the total depth drilled of 55 feet below grade surface (bgs). A search of the NMOSE New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System did not yield any additional results within ½-mile of the site. A copy of the water well documentation is included as Appendix B.

#### Wellhead Protection Area

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

#### Distance to Nearest Significant Watercourse

The nearest significant watercourse is an ephemeral tributary to Salado Draw, located approximately four miles to the west.

#### **Closure Criteria Determination**

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

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth between 51 and 100 feet bgs per Table I of 19.15.29.12 NMAC.

#### 4.0 Release Characterization and Remediation Activities

A release characterization was completed for the release area which included the advancement of 35 soil borings (SB-22 through SB-52, BH-53 through BH-55, and AS-08) using a hand auger. Soil samples were collected from the surface and at 1-foot intervals or less depending on subsurface conditions to the total boring depths or to auger refusal on underlying caliche rock. All soil borings were terminated on hard caliche at depths ranging from just below the surface to 1.5 feet bgs. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Soil boring locations are illustrated on Figure 3 and field notes are included in Appendix C.

Release characterization samples were collected and submitted for laboratory analysis in accordance with the sampling protocol included in Appendix D. The samples were analyzed for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Laboratory analytical results are summarized in Table 3 and illustrated on Figure 3.

Based on the findings of the release characterization, impacted soils were excavated except as restricted by proximity to production equipment. Excavation confirmation samples were collected on July 29, and August 4, 11, and 17, 2022. Copies of the sampling notifications are included in Appendix A. 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 release characterization samples.

# Seawolf 1-12 CTB 1 Remediation Plan and Deferral Request January 23, 2023

Laboratory analytical results report benzene, total BTEX, and total TPH concentrations below the NMOCD Closure Criteria for all samples except for 14 sample areas including: SC-01 through SC-04, SC-07, SC-09, SC-10, SC-24, SC-25, SC-30, SC-35, SC-36, SC-41, and SC-42. Additional excavation in these areas was not possible due to proximity to production equipment.

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 and Deferral Request

As demonstrated in Table 4, all excavation confirmation samples meet NMOCD Closure Criteria except for 14 sample areas (SC-01 through SC-04, SC-07, SC-09, SC-10, SC-24, SC-25, SC-30, SC-35, SC-36, SC-41, and SC-42) and those areas immediately under production equipment as illustrated on Figure 4. Additional remedial excavation is not possible in these areas due to proximity of production equipment. The area of the requested deferral measures approximately 7,256 square feet and appears to extend to depths ranging from 0.5 to 1.5 feet bgs.

# SMA recommends no further action at this time and requests deferral of remediation of the residual impacted material for Incident Numbers nrm2004353184 and nAPP2125141291.

#### 6.0 Scope and Limitations

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

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

Submitted by: SOUDER, MILLER & ASSOCIATES

Reviewed by:

Sarahmay Schlea Staff Scientist

Heather M. Woods

Heather M. Woods, P.G. Project Geoscientist

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# Seawolf 1-12 CTB 1 Remediation Plan and Deferral Request January 23, 2023

#### **REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database https://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:**

Figure 1: Topographic Site Map Figure 2: Aerial Site Map Figure 3: Release Characterization Map Figure 4: Excavation Confirmation Sample Location Map

#### Tables:

Table 2: NMOCD Closure Criteria Table 3: Summary of Release Characterization Field Screening and Laboratory Analytical Results Table 4: Summary of Excavation Confirmation Laboratory Analytical Results

#### Appendices:

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

# FIGURES

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# TABLES

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Table 2: NMOCD Closure Criteria

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	>55	USGS Topo Map and Test Well (C-04628)
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	None	New Mexico Office of the State Engineer
Hortizontal Distance to Nearest Significant Watercourse (ft)	20,650	United States Geological Survey Topo Map

Closure Criteria (19.15.	29.12.B(4) an	d Table 1 NMAC)				
		Closu	ure Criteria	a (units in n	ng/kg)	
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene	
< 50' BGS		600	100		50	10
51' to 100'	х	10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no		if yes	s, then		
<300' from continuously flowing watercourse or other significant						
watercourse?	No					
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by						
less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas	•	600	100		50	10
<300' from an occupied permanent residence, school, hospital,		600	100		50	10
institution or church?	No					
within incorporated municipal boundaries or within a defined						
municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No	]				
within an unstable area?	No					
within a 100-year floodplain?	No					

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# Table 3:Summary of Release Characterization Field Screening

and Laboratory Analytical Results

Devon Energy Production Co Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

Sample ID	Sample	Depth of Sample	Field Scre	eening	Metho	od 8021B			Method 801	5D		Method 300.0		
Sample ID	Date	(feet bgs)	VOCs by PID	EC	BTEX	Benzene	GRO	DRO	GRO+DRO	MRO	Total TPH	Chloride		
		(leet bgs)	ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
NMOCD Delineation Criteria			-	50	10					100	600			
NMOCD Closure Criteria			-	50	10			1,000		2,500	10,000			
		0	417	19.55	43.7	0.304	350	44,200	44,500	41,200	85,750	28,300		
SB-22	5/19/2022	5/19/2022	1	2394	2.1	94.4	1.23	897	7,880	8,777	1,940	10,717	2,980	
		1.25	932	4.48	90.2	0.792	744	20,900	21,644	6,340	27,984	6,520		
SB-23	5/19/2022	0	20.2	5.11	<0.100	<0.0250	<20.0	72.8	72.8	117	190	8,020		
30-23	5/19/2022	0.83 (10")	12.3	1.72	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	2,740		
SB-24	5/19/2022	0	8	0.22	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	106		
3B-24	5/19/2022	1	6.1	0.11	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	42.8		
SB-25	5/19/2022	0	26.9	12.31	<0.100	<0.0250	<20.0	34.8	34.8	<50.0	34.8	25,900		
30-23	5/19/2022	1	15.2	1.59	<0.100	<0.250	<20.0	30.0	30.0	<50.0	30.0	2,510		
CD 26	E /10 /2022	0	4.4	18.1	<0.100	<0.0250	<20.0	73.7	73.7	84.4	158.1	32,500		
30-20	SB-26 5/19/2022	B-26 5/19/2022	5/19/2022	1	6.6	2.96	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	4,060
SB-27	5/19/2022	0	21.7	0.46	<0.100	<0.0250	<20.0	26.9	26.9	<50.0	26.9	585		
30-27	5/19/2022	0.83 (10")	5.7	0.18	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	154		
SB-28	5/19/2022	0	1.8	0.44	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	581		
SB-29	5/19/2022	0	2.1	11.35	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	20,200		
SB-30	5/19/2022	0	2.2	11.62	<0.100	<0.0250	<20.0	164	164	145	309	23,700		
SB-31	5/19/2022	0	1.3	12.23	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	20,600		
SB-32	5/19/2022	0	2.4	13.79								23,000		
SB-33	5/19/2022	0	2.2	4.35	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	6,830		
SB-34	5/19/2022	0	0.8	16.97								29,600		
30-34	5/20/2022	0.5 (6")	1.7	1.89								1,860		
SB-35	5/19/2022	0	2	13.04								17,400		
SB-36	5/19/2022	0	0.9	0.14								20.7		
30-30	5/19/2022	1	0.9	0.19								196		
SB-37	5/19/2022	0	0.8	0.12								34.8		
SB-38	5/19/2023	0	0	1.32								1,650		
SB-39	5/19/2024	0	0	0.25	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	184		
SB-40	5/19/2025	0	0.5	0.21	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	99.2		
SB-41	5/19/2026	0	0	0.58								448		



# Table 3:Summary of Release Characterization Field Screening

Devon Energy Production Co Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

#### and Laboratory Analytical Results

Sample ID	Sample	Depth of Sample			Metho	od 8021B			Method 300.0			
Sample ID	Date	(feet bgs)	VOCs by PID	EC	BTEX	Benzene	GRO	DRO	<b>GRO+DRO</b>	MRO	Total TPH	Chloride
		(leet bgs)	ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOC	D Delineatior	n Criteria		-	50	10					100	600
NMC	OCD Closure C	Criteria		-	50	10			1,000		2,500	10,000
SB-42	5/19/2027	0	0	0.42								192
SB-43	5/19/2028	0	0.2	8.61								13,200
SB-44	5/19/2029	0	0.9	0.21								127
SB-45	5/19/2030	0	0.2	1.34								1,800
SB-46	5/19/2031	0	0	9.59								14,400
SB-47	5/19/2022	0	0	20+								30,300
30-47	5/19/2022	0.5 (6")	3.3	1.93								2,750
SB-48	5/20/2022	0	0.5	1.38								1,040
SB-49	5/20/2022	0	0.4	10.16								16,400
SB-50	5/20/2022	0	0.3	7.26								11,800
SB-51	5/20/2022	0	0.6	20+								40,600
SB-52	5/20/2022	0	0.6	0.41								333
BH53	8/22/2022	0			<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	338
5010	0/22/2022	0.5			<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	45.9
BH54	8/22/2022	0			<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
BH55	8/22/2022	0			<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	63.6
БПЭЭ	0/22/2022	0.5			<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	33.3
AS08	8/30/2022	0	7.1	0.39	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	523
ASUO	0/30/2022	0.5 (6")	5.5	0.29	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	398

Notes: NMOCD - New Mexico Oil Conservation Division

VOC - volitile organic compound

PID - photoionization detector

EC - electrical conductivity

BTEX - benzene, toluene, ethylbenzene, and xylenes

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroleum hydrocarbons

mS - millisiemens

bgs - below grade surface

ppm - parts per million

mg/kg - milligram per kilogram

"--" not applicable or not analyzed



# Table 4:

Devon Energy Production Co Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

# Summary of Excavation Confirmation Laboratory Analyical Results

Sample ID	Sample	Depth of Sample	Metho	od 8021B			Method 801	5D		Method 300.0
Sample ib	Date	(feet bgs)	BTEX	Benzene	GRO	DRO	GRO+DRO	MRO	Total TPH	Chloride
		(IEEE Dg3)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMC	OCD Closure C	Criteria	50	10			1,000		2,500	10,000
SC-1	7/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	1,380	1,380	599	1,979	25.3
SC-2	7/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	5,990	5,990	2,670	8,660	593
SC-3	7/29/2022	0.75 to 1	2.80	<0.0250	36.3	5,520	5,556	2,290	7,846	1,300
SC-4	7/29/2022	0.75 to 1	0.788	<0.0250	<20.0	4,400	4,400	2,060	6,460	1,680
SC-5	7/29/2022	0 to 1	<0.100	<0.0250	<20.0	94.2	94.2	91.4	185.6	63.3
SC-6	7/29/2022	0 to 1	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	360
SC-7	7/29/2022	0 to 1	1.79	<0.0250	28.2	17,800	17,828	10,100	27,928	4,260
SC-8	7/29/2022	0 to 1	<0.100	<0.0250	<20.0	344	344	206	550	182
SC-9	7/29/2022	0.5 to 0.75	0.0611	<0.0250	<20.0	3,430	3,430	1,850	5,280	9,070
SC-10	7/29/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	36.5	36.5	67.9	104.4	92,000
SC-11	7/29/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,490
SC-12	7/29/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	45.1	45.1	72.9	118	2,890
SC-13	7/29/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	7,610
SC-14	7/29/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,780
SC-15	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	428
SC-16	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,520
SC-17	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	996
SC-18	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	69.3
SC-19	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	274	274	163	437	7,840
SC-20	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,630
SC-21	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	117
SC-22	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	22.2
SC-23	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,080
SC-24	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	95.3	95.3	80.3	175.6	34,800
SC-25	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	12,200

# Table 4:

Page 18 of 376 Devon Energy Production Co

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Summary of Excavation Confirmation Laboratory Analyical Results

Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

Sample ID	Sample	Depth of Sample	Metho	od 8021B			Method 801	5D		Method 300.0
Sample ID	Date	(feet bgs)	BTEX	Benzene	GRO	DRO	GRO+DRO	MRO	Total TPH	Chloride
		(leer bgs)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMO	CD Closure C	Criteria	50	10	-		1,000		2,500	10,000
SC-26	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	6,380
SC-27	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	201
SC-28	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	129
SC-29	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	114
SC-30	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	14,200
SC-31	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,220
SC-32	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	564
SC-33	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	219
SC-34	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,810
SC-35	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	545	545	706	1,251	14,500
SC-36	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	34.2	34.2	<50.0	34.2	14,100
SC-37	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	4,770
SC-38	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	34.7	34.7	<50.0	34.7	857
SC-39	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	59.7
SC-40	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	555
SC-41	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	5,700	5,700	5,100	10,800	6,060
SC-42	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	207	207	306	513	12,100
SC-43	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,370
SC-44	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	78.2
SC-45	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	44.0
SC-46	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	78.7
SC-47	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	62.1
SC-48	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	104
SC-49	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SC-50	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	20.4

# Table 4:

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**Devon Energy Production Co** Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

# Summary of Excavation Confirmation Laboratory Analyical Results

Sample ID Sample Sample		-	Metho	Method 8021B Method 8015D			Method 300.0			
Sample ib	Date	(feet bgs)	BTEX	Benzene	GRO	DRO	GRO+DRO	MRO	Total TPH	Chloride
		(1000 083)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMC	CD Closure C	Criteria	50	10			1,000		2,500	10,000
SC-51	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	271
SC-52	8/4/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	312
SC-53	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	70.8
SC-54	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	28.2	28.2	<50.0	28.2	203
SC-55	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	650
SC-56	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	34.4	34.4	<50.0	34.4	886
SC-57	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	3,720
SC-58	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	731
SC-59	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	875
SC-60	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	487
SC-61	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	48.3	48.3	<50.0	48.3	2,580
SC-62	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	376
SC-63	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	371
SC-64	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	916
SC-65	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	977
SC-66	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	64.8	64.8	51.8	116.6	4,190
SC-67	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	660
SC-68	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	355
SC-69	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	26.4	26.4	<50.0	26.4	980
SC-70	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	477
SC-71	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	944
SC-72	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	875
SC-73	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	1,370
SC-74	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	723
SC-75	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	34.3	34.3	<50.0	34.3	734

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Devon Energy Production Co Seawolf 1-12 CTB 1 nrm2004262184 and nAPP2125141291

Sample ID	Sample	Depth of	Metho	od 8021B	Method 8015D			Method 300.0		
Sample ID	Date	Sample (feet bgs)	BTEX	Benzene	GRO	DRO	<b>GRO+DRO</b>	MRO	Total TPH	Chloride
		(leet bgs)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria		50	10			1,000		2,500	10,000	
SC-76	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	239
SC-77	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	255
SC-78	8/11/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	81.5	81.5	65.3	146.8	741
SC-79	8/17/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SC-80	8/17/2022	0.75 to 1	<0.100	<0.0250	<20.0	25.5	25.5	<50.0	25.5	<20.0
SC-81	8/17/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	26.7
SC-82	8/17/2022	0 to 1	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SC-83	8/17/2022	0 to 1	<0.100	<0.0250	<20.0	31.1	31.1	<50.0	31.1	54.7
SC-84	8/17/2022	0 to 1	<0.100	<0.0250	<20.0	<25.0	<45.0	<50.0	<95.0	100

Laboratory Analyical Results

Notes:

NMOCD - New Mexico Oil Conservation Division

BTEX - benzene, toluene, ethylbenzene, and xylenes

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroleum hydrocarbons

bgs - below grade surface

mg/kg - milligram per kilogram

"--" not applicable or not analyzed



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# 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

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Revised August 24, 2018 Submit to appropriate OCD District office

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Incident ID	NRM2004353184
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party Devon Energy Production Company	OGRID <sub>6137</sub>	
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176	
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD)	
Contact mailing address 6488 Seven Rivers HWY		

## **Location of Release Source**

Latitude 32.077077

Longitude -103.526861 (NAD 83 in decimal degrees to 5 decimal places)

Site Name SeaWolf 1-12 CTB 1	Site Type Central Tank Battery
Date Release Discovered 1/23/20	API# (if applicable) N/A

Unit Letter	Section	Township	Range	County
С	1	26S	33E	Lea

Surface Owner: State Federal Tribal Private (Name:

# Nature and Volume of Release

Mater	ial(s) Released (Select all that apply and attach calculations or specific	e justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 17.65	Volume Recovered (bbls) 15
	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 The to re	water dump valve for the Seawolf 86H dev lease onto the pad. All fluids stayed on the	reloped a hole in the housing causing fluid pad.

Page	2
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### **Oil Conservation Division**

Incident ID	NRM2004353184
District RP	
Facility ID	
Application ID	

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

# **Initial Response**

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

The source of the release has been stopped.

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

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

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

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

This release was not contained within a secondary containment.

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: Kendra DeHoyos
Signature: Kendra DeHoyos

<sub>email:</sub> kendra.dehoyos@dvn.com

OCD Only

Received by: Ramona Marcus

Title: EHS Associate Date: 2/10/2020

Telephone: 575-748-3371

Date: 02/12/2020

	00002/10/202021	SkGalow latopage 3 of 3				
NRM2004353184	Inputs in blue, Outputs in red NRM2004353184 Contaminated Soil measurement					
Length(Ft)	Width(Ft)	Depth(Ft)				
<u>50</u>	30.000	<u>0.021</u>				
Cubic Feet of :	Soil Impacted	<u>31.500</u>				
Barrels of So	il Impacted	<u>5.61</u>				
Soil 1	Гуре	Clay/Sand				
Barrels of Oi 10 <mark>0% S</mark> at		<u>0.84</u>				
Saturation	Fluid presen	t with shovel/backhoe				
Estimated Ba Relea		0.84				
	Free Standing I	Fluid Only				
Length(Ft)	Width(Ft)	Depth(Ft)				
<u>50</u>	30.000	<u>0.063</u>				
Standin	ng fluid	<u>16.808</u>				
Total fluic eleased to Imaging: 2/14/2023 1:		<u>17.650</u> .				

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

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

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

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

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Incident ID	nAPP2125141291
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party Devon Energy	OGRID <sub>6137</sub>
Contact Name Wesley Mathews	Contact Telephone 575-578-6195
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Arteisa, NM 88210	

## **Location of Release Source**

Latitude 32.076939

Longitude <u>-103.526632</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Seawolf 1-12 CTB 1	Site Type Oil
Date Release Discovered 8/20/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
С	1	26S	33E	Lea

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) 5.99 BBLS	Volume Recovered (bbls) 5 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 Pin I	nole leak on water dump line.	•

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### Oil Conservation Division

Incident ID	nAPP2125141291
District RP	
Facility ID	
Application ID	

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

# **Initial Response**

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

The source of the release has been stopped.

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

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

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

If all the actions described above have <u>not</u> been undertaken, explain why:

Spill was not in containment.

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: Kendra DeHoyos	<sub>Title:</sub> EHS Associate
Signature: Kendra DeHoyos	Date: 9/8/2021
<sub>email:</sub> Kendra.DeHoyos@dvn.com	Telephone: 575-748-0167
OCD Only	
Received by:Ramona Marcus	Date:9/12/2021

### NAPP2125141291

		Bbls) Calculator , Outputs in red	
Co	Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)	
<u>30</u>	32.000	0.021	
Cubic Feet of S	Soil Impacted	20.160	
Barrels of So	il Impacted	<u>3.59</u>	
Soil 1	уре	Clay	
Barrels of Oil Assuming 100% Saturation		<u>0.36</u>	
Saturation	Fluid present with shovel/backhoe		
and the second s	Estimated Barrels of Oil 0.36 Released		
Free Standing Fluid Only		ing Fluid Only	
Length(Ft)	Width(Ft)	Depth(Ft)	
<u>26</u>	<u>29.000</u>	0.042	
Standin	g fluid	<u>5.632</u>	
Total fluids spilled 5.992		<u>5.992</u>	

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	47100
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	9/12/2021

CONDITIONS

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Action 47100

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Oil Conservation Division

	Page 29 of 37
Incident ID	nrm2004353184
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.

	1	
What is the shallowest depth to groundwater beneath the area affected by the release?		
Did this release impact groundwater or surface water?		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant		
watercourse?		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used		
by less than five households for domestic or stock watering purposes?	🗌 Yes 🔀 No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh	🗌 Yes 🛛 No	
water well field?	🗌 Yes 🔀 No	
Are the lateral extents of the release within 300 feet of a wetland?		
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	
	🗌 Yes 🛛 No	
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	□ Yes ⊠ No	

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

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

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

Field data

Data table of soil contaminant concentration data

 $\boxtimes$  Depth to water determination

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

Boring or excavation logs

Photographs including date and GIS information

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

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

eceived by OCD: 1/24/2023 1:57:47 PM orm C-141 State of New Mexico			Page 30 of 376	
			Incident ID	nrm2004353184
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are required public health or the environment. Th failed to adequately investigate and r	Dat	ons and perform co does not relieve the groundwater, surfa	prrective actions for rele e operator of liability sho ce water, human health iance with any other feo essional	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by:		Date:		

Page 5

Incident ID	nrm2004353184
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

 $\boxtimes$  Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Dale Woodall	Title: <u>Env. Professional</u>
Printed Name: <u>Dale Woodall</u> Signature: <u>Dale Woodall</u>	Date: <u>1/24/2023</u>
email:Dale.Woodall@dvn.com	Telephone: <u>575-748-1838</u>
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature:	Date:

•

Page 3

Oil Conservation Division

	<b>Page 32 of 37</b>
Incident ID	nAPP2125141291
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?	$\frac{>55}{\text{bgs}}$ (ft
Did this release impact groundwater or surface water?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	☐ Yes ⊠ No
watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used	
by less than five households for domestic or stock watering purposes?	🗌 Yes 🔀 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh	🗌 Yes 🛛 No
water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔀 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔀 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	□ Yes ⊠ No

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

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

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

- Field data
- Data table of soil contaminant concentration data
- $\boxtimes$  Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

<b>Received by OCD: 1/24/2023</b>	1:57:47 PM State of New Mexico			Page 33 of 376
			Incident ID	nAPP2125141291
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are rec public health or the environmen failed to adequately investigate	odall	ifications and perform co OCD does not relieve the eat to groundwater, surfa	prrective actions for rele e operator of liability sho ce water, human health liance with any other feo essional	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by:		Date:		

Oil Conservation Division

Incident ID	nAPP2125141291
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

 $\boxtimes$  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)

<b><u>Deferral Requests Only</u></b> : 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	n, the environment, or groundwater.	
	te to the best of my knowledge and understand that pursuant to OCD	
which may endanger public health or the environment. The accepta	certain release notifications and perform corrective actions for releases not $a_{-141}$ report by the OCD does not relieve the operator of	
liability should their operations have failed to adequately investigate		
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 l	aws and/or regulations.	
Printed Name: <u>Dale Woodall</u>	Title: <u>Env. Professional</u>	
Signature: Dale Woodall	Date: <u>1/24/2023</u>	
email:Dale.Woodall@dvn.com	Telephone: <u>575-748-1838</u>	
OCD Only		
Received by:	Date:	
Approved Approved with Attached Conditions of	Approval 🗌 Denied 🔀 Deferral Approved	
Signature: <u>Jennifer Nobui</u>	Date: 02/14/2023	

Page 5

### **Heather Woods**

From:	Nobui, Jennifer, EMNRD <jennifer.nobui@state.nm.us></jennifer.nobui@state.nm.us>
Sent:	Wednesday, July 27, 2022 8:10 AM
То:	Heather Woods
Cc:	Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject:	FW: [EXTERNAL] Confirmation Sampling Notification - Seawolf 1-12 CTB 1 (nAPP2102637490,
-	nAPP2125141291, nAPP2004353184)

#### Heather

Thank you for the notification. Please 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.

Thanks, Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>

Sent: Wednesday, July 27, 2022 8:03 AM

**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

**Subject:** Fw: [EXTERNAL] Confirmation Sampling Notification - Seawolf 1-12 CTB 1 (nAPP2102637490, nAPP2125141291, nAPP2004353184)

From: Heather Woods <<u>Heather.Woods@soudermiller.com</u>>

Sent: Tuesday, July 26, 2022 2:55 PM

To: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>>

**Cc:** Woodall, Dale <<u>Dale.Woodall@dvn.com</u>>; Ashley Maxwell <<u>ashley.maxwell@soudermiller.com</u>>; Sara McNallen <<u>sara.mcnallen@soudermiller.com</u>>; Georgeann Goodman <<u>Georgeann.Goodman@soudermiller.com</u>> **Subject:** [EXTERNAL] Confirmation Sampling Notification - Seawolf 1-12 CTB 1 (nAPP2102637490, nAPP2125141291, nAPP2004353184)

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

Good Afternoon,

Souder, Miller & Associates will be on location at the Seawolf 1-12 CTB 1 (nAPP2102637490, nAPP2125141291, nAPP2004353184) beginning on Thursday, July 28<sup>th</sup> at 10:00am and continuing through Friday, July 29<sup>th</sup> as needed to perform confirmation sampling of the ongoing excavation. Please let me know if you have any questions.

Many Thanks, Heather

Heather Woods, P.G. Project Geoscientist

Personal Registrations: UT Professional Geologist

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



#### Souder, Miller & Associates

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



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#### **Heather Woods**

From:	Sarahmay Schlea
Sent:	Tuesday, August 2, 2022 11:34 AM
То:	Woodall, Dale; Enviro, OCD, EMNRD; Heather Woods; Ashley Maxwell
Cc:	Georgeann Goodman

Good Morning,

Souder, Miller and Associates will be on location Thursday, August 4, beginning at 9:00, to conduct confirmation sampling at the SeaWolf 1-12 CTB 1 (napp2208340802, napp2102637490) located at 32.07917228, -103.52616097. Please consider this your 48-hour notification.

Many Thanks,

Sarahmay Schlea

×		

Stronger Communities by Design

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~		×	×	dia Malan

#### www.soudermiller.com

#### Sarahmay Schlea Staff Scientist I

(she/her)

Direct/Mobile: <u>330-958-5689</u> Office: <u>575-449-2758</u>

201 S Halagueno St Carlsbad, NM 88220

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

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#### **Heather Woods**

From:	Sarahmay Schlea
Sent:	Tuesday, August 9, 2022 5:04 PM
То:	Woodall, Dale; Enviro, OCD, EMNRD; Heather Woods; Ashley Maxwell
Cc:	Georgeann Goodman
Subject:	Confirmation Sampling Notification - Devon Seawolf 1-12 CTB 1 (napp2208340802, napp2102637490, napp2133355460, napp2125141291, napp2106443694)

#### Good evening,

Souder, Miller and Associates will be on location Thursday, August 11, beginning at 9:00am, to conduct confirmation sampling at the SeaWolf 1-12 CTB 1 (napp2208340802, napp2102637490, napp2133355460, napp2125141291, napp2106443694) located at 32.07917228, -103.52616097. Please consider this your 48-hour notification. Many Thanks,

Sarahmay Schlea



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#### www.soudermiller.com

#### Sarahmay Schlea

Staff Scientist I

(she/her) Direct/Mobile: 330-958-5689

Office: 575-449-2758

201 S Halagueno St Carlsbad, NM 88220

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

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#### **Heather Woods**

From:	Heather Woods
Sent:	Monday, August 15, 2022 12:14 PM
То:	Enviro, OCD, EMNRD
Cc:	Woodall, Dale; Sarahmay Schlea; Georgeann Goodman
Subject:	Confirmation Sampling Notification - Devon Seawolf 1-12 CTB 1 (napp2208340802,
	napp2102637490, napp2133355460, napp2125141291, napp2106443694)

#### Good evening,

Souder, Miller and Associates will be on location Wednesday, August 17, beginning at 7:30am, to conduct additional confirmation sampling at the SeaWolf 1-12 CTB 1 (napp2208340802, napp2102637490, napp2133355460, napp2125141291, napp2106443694) located at 32.07917228, -103.52616097.

Many Thanks, Heather

Heather Woods, P.G. *Project Geoscientist* 

#### Personal Registrations: UT Professional Geologist

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



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# APPENDIX B WATER WELL DATA



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(quar					IE 3=SW () largest)	,	3 UTM in meters)		(In fee	t)
POD Number	POD Sub- Code basin C	county	Q ( 64 1			: Tws	Rng	х	Y	-	-	Water Column
<u>C 02294</u>	CUB	LE	44	3	11	26S	33E	637465	3547003 🌍	200	145	55
<u>C 02295</u>	CUB	LE	2 2	4	12	26S	33E	639865	3547624 🌍	250	200	50
C 04628 POD1	CUB	LE	1 1	2	01	26S	33E	639121	3550219 🌍			
									Average Depth to	Water:	172 1	ieet
									Minimum	Depth:	145 1	ieet
									Maximum	Depth:	<b>200</b> f	eet
Record Count: 3												

#### PLSS Search:

Section(s): 1, 2, 11, 12

Township: 26S

Range: 33E



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

										the second second second			
NO	OSE POD NO. POD 1 (TW		0.)		well tag id no. N/A			OSE FILE NO(S C-4628	5).				
GENERAL AND WELL LOCATION	WELL OWNE Devon Ener		S)					PHONE (OPTIC 575-748-183					
F	WELL OWNE	R MAILIN	IG ADDRESS					CITY			STATE	3	ZIP
WELI	6488 7 Riv	ers Hw	у					Artesia			NM	88210	
QN	WELL		D	EGREES	MINUTES	SECONDS							
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RA	(FROM GP	S)		103	31	34.28	W	* DATUM REQ	UIRED: WGS	84			
ENE			ONGITUDE										
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	LICENSE NO.		NAME OF LICENSEI	DRILLER	х				NAME OF W	VELL DRI	LLING	COMPANY	
	124	9			Jackie D. Atkins							g Associates, I	nc.
	DRILLING ST 6/9/20		DRILLING ENDED 6/9/2022		MPLETED WELL (FT)	) B		le depth (ft) ±55	DEPTH WA	TER FIRS	T ENCO N/.	DUNTERED (FT) A	
N	COMPLETED	WELL IS	: ARTESIAN	/ DRY HO	LE SHALLOV	V (UNCONF	NED)		WATER LEVE PLETED WELI		A	DATE STATIC	
TIO	DRILLING FL	UID:	AIR	MUD	ADDITIVE	S - SPECIF	r:						
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD: [	ROTARY HAM	MER CAB	LE TOOL 🔽 OTHE	R – SPECIF	r: H	Iollow Stem A	Auger	CHECK INSTAL	HERE II LED	F PITLESS ADAI	TER IS
NFC	DEPTH (	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	OR		CDIC	CASIN	IG	CAS	SING WALL	
Igi	FROM	то	DIAM		GRADE CASI			NECTION	INSIDE D			IICKNESS	SLOT SIZE
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CA	0	55	±6.5		Boring-HSA		uu coup						
G&													
TIN													
RII													
2. D													
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AL	FROM	TO	DIAM. (inches)		VEL PACK SIZE-I					c feet)		PLACEM	
ERI													
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ANNULAR MATERIAL									DEED		1162	2022 pm3:11	1
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FOR	OSE INTERI	NAL US	E 28 - 201 /		POD NO			WR-20				(Version 01/2	3/2022)

FILE	NO. C-2	628-2021		POD NO.		TRN NO.	726/82	
LOCA	TION	26.33.01.	112		WELL	TAG ID NO.		PAGE 1 OF 2

•

	DEPTH (f	reet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATER R-BEARING CAVIT plemental sheets to f	TES OI	R FRAC	TURE ZONES	BEAH	TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Sand, Fine-grained	l, poorly graded, unco	onsolida	ated 7.5	YR 5/4, Brown	Y	√ N	
	4	14	10		poorly graded, semi-				Y	√ N	
_	14	19	5		one, consolidated 10				Y	√ N	
	19	55	36		ned, poorly graded, 7				Y	√ N	
					, r, g, ,				Y	N	
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4. HYDROGEOLOGIC LOG OF WELL						Y	N				
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CLC									Y	N	
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EOL									Y	N	
DOG									Y	N	
YDR									Y	N	
4. H									Y		
-									Y	N	
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SOI				eawolf 1-12 CTB 1							
T; R								058	E DIT JUN	16 2022	2 pm3)11
TES	PRINT NAM	AE(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SU	PERVI	SION O	F WELL CONST	TRUCTION C	THER TH	IAN LICENSEE:
5.	Shane Eldri	dge, Came	ron Pruitt								
TURE	CORRECT	RECORD O	F THE ABOVE I	FIES THAT, TO THE B DESCRIBED HOLE AN 30 DAYS AFTER COM	D THAT HE OR SH	E WIL	L FILE				
6. SIGNATURE	Jack K	tkins		Jao	ckie D. Atkins				6/10	6/2022	
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME					DATE	
FOI	OSE DITER	NAL LICE						WD 20 WELL	RECORD A	LOGAL	rsion 01/28/2022)
	R OSE INTER	4628	409-1	- (	POD NO.			TRN NO.	726		rsion 01/28/2022)
	CATION			01.112			WELL	TAG ID NO.			PAGE 2 OF 2
L											1

Received by OCD: 1/24/2023 1:57:47 PM

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

#### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 726182 File Nbr: C 04628 Well File Nbr: C 04628 POD1

Jun. 16, 2022

DALE WOODALL DEVON ENERGY 6488 7 RIVERS HWY ARESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/09/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely amaral

Maret Amaral (575)622-6521

drywell



June 8, 2022

2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

DII-NMOSE 1900 W 2<sup>nd</sup> Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4628 Pod1at Seawolf 1-12 CTB 1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4628 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Gron Middlam

Lucas Middleton Enclosures: as n

s: as noted above

OSE DIT JUN 16 2022 PM3:11



(A CLW##### in the POD suffix indicates the POD has been replaced	(R=POD has been replaced O=orphaned,					NIN							
& no longer serves a water right file.)	C=the file is closed)	•••						IE 3=SW largest)	,	3 UTM in meters)		(In feet	)
POD Number	POD Sub- Code basin (	<b>`</b> ountu		Q 16	-	Soc	Twe	Png	x	Y	-	-	Water Column
<u>C 02291</u>	CUB	LE					26S	-	640825	3550140* 🌍	220	160	60
C 02292 POD1	CUB	LE	4	1	2	06	26S	34E	640992	3549987 🌍	200	140	60
C 03441 POD1	С	LE	4	1	2	06	26S	34E	640971	3550039 🌍	250		
C 03442 POD1	С	LE	4	1	2	06	26S	34E	641056	3550028 🌍	251		
										Average Depth to	Water:	150 f	eet
										Minimum	Depth:	140 f	eet
										Maximum	Depth:	160 f	eet
Record Count: 4													
PLSS Search:													

Section(s): 6, 7

Township: 26S

Range: 34E

\*UTM location was derived from PLSS - see Help



No records found.

PLSS Search:

Section(s): 31

Township: 25S

Range: 34E



No records found.

PLSS Search:

Section(s): 35, 36

Township: 25S

Range: 33E

# APPENDIX C FIELD NOTES AND PHOTOGRAPH LOG

	D: 1/24/2		' <del>7:47 PM</del> -			cal the rock	call the rock					P
		Other Remarks/Notes:				reposed on calid	allowed on coli			Nelsesel.	re hu sal	
		Moisture Level	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	
		Primary Soil Type	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	
eening	5/19/2022	Soil Calar	Light Dark Tan Brown Gray Olive Yellow Red		Light Dark Tan Brown Gray Olive Yellow Red	-			Light Dark Tan Brown Gray Olive Yellow Red	Light Dark Tan Brown Gray Olive Yellow Red	Light Dark Tan Brown Gray Olive Yellow Red	
Field Screening	Date: 5/	PID Reading /PF	+11	20.2	2394	12,3	932	8.0	26.9	15.2	4.1	
N SWA		Temp (°C)										
		EC (mS)	19,55	11.2	2.1	24.1	4.48	0.22	12.31	1.59	0.11	
	tb l	Collection Time:	1000	0802	0000	0811	0916 4.48	0019	0620	0629	0831	
	ocation Name: Sucurol 9-12 CTB	Sample Name:	SB2220'	582300	582201'	5823@10"	582201.25	58240 0'	582560'	sbzsel	582401	

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Received	l by OC	<b>p:</b> 1/24/2	023 1:5	7:47 PM	<u> </u>			r				
	0											
			Other Remarks/Notes:			rebusal	retused					
			Moisture Level	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet	Dry Moist Wet
			Primary Soil Type	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay	Gravel Rock Sand Silt Clay
1.12.83	ening	22/6	Soil Color	Light Dark Tan Brown Gray Olive Yellow Red	Light Dark Tan Brown Gray Olive Yellow Red	Light Dark Tan Brown Gray Olive Yellow Red			Light Dark Tan Brown Gray Olive Yellow Red			
	Field Screening	Date: 5/19/22	PID Reading /PF	4.4	±112	n.n	5.7	9.1	1.2	2.2	1, 3	2.4
	NSMA		Temp (°C)									
	$\triangleleft$		EC (mS)	16.1	0,46	2.9 h	0,18	0.44	11.35	21.11	12,23	13.79
		CTB /	Collection Time:	0833	0635	0942	th90	0 955	9560	1000	003	52 0000
		Location Name: Sumolf 1-12 CTB	Sample Name:	0001285	582700'	532601	5827 610"	58260	582960	58300 O	53120	583200

## Page 51 of 376

					No.				Received
		$\triangleleft$	ASWA	Field Screening	eening			9	by OC
Location Name: Duwold 1-12 C 78	TB (			Date: 5/	270216119				D: 1/24/2
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	0 <u>23 1:</u>
583200	1126	4.35		2.2	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		7:47 PM
583400	1129	ももれ		0.0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
092260	1131	13.04		2.0		Gravel Rock Sand Silt Clay	Dry Moist Wet		
,009898	ils4	þr.0		6.0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
SB3601'	1204	0.19		0.9		Gravel Rock Sand Silt Clay	Dry Moist Wet	Aheel	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
					Light Dark Tan Brown Gray Olive Yellow Red	Grave <sup>l</sup> Rock Sand Silt Clay	Dry Moist Wet		
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
									'

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									Received
		$\leq$	NAA NAA	Field Screening	eening				0
Location Name: Seamolf 1-12 CTB	C7B			Date: 5/;	5/20/2022				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
583700	0920	0.12		0.0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
5838 CO'	0922	1.32		0.0		Gravel Rock Sand Silt Clay	Dry Moist Wet		
563900'	09210	0.25		0.0		Gravel Rock Sand Silt Clay	Dry Moist Wet		
584000'	0432	12.0		s'0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
584100,	6935	0,58		0.0		Gravel Rock Sand Silt Clay	Dry Moist Wet		
584200'	0938	24.0		0.0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
5B43 E0'	0460	19.8		2.0	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
Sb4400'	1012	0,21		6.0	-	Gravel Rock Sand Silt Clay	Dry Moist Wet		
SB45 @0'	1015	1.34		0,2		Gravel Rock Sand Silt Clay	Dry Moist Wet		

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•

Location Name: Subuolt 1-12 CTB I       Date:         Semple Name: Collection       Time: Ec(ms)       Pate: Pate: Pate: Pate: Pate: Pate         SB44BEO       1014 $204$ O.O         SB44BEO       1014 $204$ $20.0$ SB44BEO       1114 $10.16$ $20.4$ SB44BEO $1114$ $10.16$ $20.4$ SB449( $0.0$ $1114$ $10.16$ $20.4$ $20.4$ SB449( $0.0$ $1114$ $12.26$ $20.6$ $20.6$ SB449( $0.0$ $1114$ $12.26$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$ $20.6$		
Subull $I - I2$ $CTB$ I       Date:       Date:         ple Name:       collection       EC(mS)       Temp fc0 $PF$ O $IO I7$ $9.59$ $O.O$ $PF$ O $IO 17$ $9.59$ $O.O$ $PI$ O $IO 17$ $9.59$ $O.O$ $O.O$ $O$ $IO 17$ $2.59$ $O.O$ $O.O$ $O$ $IO 13$ $IO 14$ $Dt$ $O.O$ $O$ $IO 13$ $IO 14$ $Dt$ $O.O$ $O$ $III 12$ $I.O 13$ $I.099$ $O.O$ $O$ $III 12$ $I.013$ $I.091$ $O.0$ $O$ $O$ $III 12$ $I.28$ $O.0$ $O$ $III 16$ $IO.16$ $O.16$ $O.16$ $O$ $III 14$ $I.28$ $O.5$ $O.5$ $O$ $III 14$ $I.28$ $O.5$ $O.5$ $O$ $III 16$ $I.061$ $O.5$ $O.5$ $O$ $III 16$ $I.061$ $O.5$ $O.5$ <tr< th=""><th></th><th>6</th></tr<>		6
ple Name:         collection Time:         EC (ms)         Temp ("C)         PLD Reading ( $pr)$ 0         1017         9.59         0.0 $ran$ ( $ugh$ )           0         1017         9.59         0.0 $ran$ ( $ugh$ )           0         1017 $9.59$ 0.0 $ran$ ( $ugh$ )           0         1019 $20$ $7.610$ $ran$ ( $ugh$ )           0         1019 $20$ $7.610$ $ran$ ( $ugh$ )           0         1115         1.36 $0.0$ $ran$ ( $ugh$ )           0         1116         10.16 $0.7$ $ran$ ( $ugh$ )           0 $0.1$ $0.7$ $0.7$ $ran$ ( $ugh$ )           0 $0.1$ $1.72$ $0.7$ $0.7$ 0 $0.7$ $0.7$ $0.7$ $0.7$ 0 $0.6$ $0.7$ $0.7$ $0.7$	Date: 5/20/2022	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Temp (°C)	Moisture Other Remarks/Notes: Level
SB47E0 $1019$ $204$ $0.0$ $SB47E0$ $1003$ $1.09$ $1.7$ $SB48E0$ $1103$ $1.09$ $1.7$ $SB48E0$ $1113$ $1.38$ $0.4$ $SB48E0$ $1114$ $10.16$ $0.4$ $SB48E0$ $1114$ $10.16$ $0.4$ $SB49200$ $1114$ $10.16$ $0.4$ $SB49200$ $1114$ $1.38$ $0.4$ $SB49200$ $1114$ $1.38$ $0.4$ $SB49200$ $1114$ $1.38$ $0.4$ $SB49200$ $1114$ $1.38$ $0.4$ $SB47206$ $1114$ $1.93$ $3.3$ $SB47206$ $1144$ $1.93$ $3.3$ $SB47200$ $1144$ $1.93$ $3.3$ $SB5120$ $1146$ $204$ $0.6$	0.0	Dry Moist Wet
"     1103     1.69     1.7       1113     1.38     0.4       1114     10.16     0.4       1117     7.26     0.3       1114     10.16     0.3       1117     7.26     0.3       1114     10.16     0.5       1117     7.26     0.5       1114     2.07     0.5       1146     1.93     3.3       1148     2.07     0.6	0.0	Dry Maist Wet
III3     1.38     0.4       III4     10.16     0.4       II17     7.26     0.3       II14     1.93     3.3       II48     201     0.6	Light L'7 Tan t Yellow	Dry Neferent Moist Wet
1114     10.14     0.4       1117     7.24     0.3       1117     7.24     0.3       1146     1.93     3.3       1148     201     0.6	Light Tan E Gray Yellow	Dry Moist Wet
1117     7.24     0.3       1114     1.93     3.3       1146     1.93     3.3       1148     201     0.6	Light	Dry Moist Wet
1146 1.93 3.3 1148 20t 0.60	0,3	Dry Moist Wet
1140 20+ 0.60	Light 3 3 Tan Sray Yellow	Dry refreed Moist Wet
	D. Co	Dry Moist Wet
585200 1149 0.41 0.6 Tan S85200	D. le	Dry Maist Wet

#### .47 PM Re OCD 1/24/2022 1.57 11

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		W						
		5	MAN	Field Screening	eening		1.00	
Location Name: Sawolf 1-12 CTB1	CTBI			Date: 8/	30/2023	X		
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
NRE OI	0000	9.13	25.0	2.7	Light Dark Tan Brown Gray Olive Yellow Red	k Gravel Rock m Sand Silt Clay	Dry Moist Wet	
NREOZ	8060	10.01	24.8	4.7		k Gravel Rock m Sand Silt Clay	Dry Moist Wet	
NREO3	6060	6.21	24.2	2:0		k Gravel Rock m Sand Silt Clay	Dry Moist Wet	
N REOF	0160	4.24	24.4	7.00		r Gravel Rock n Sand Silt Clay	Dry Moist Wet	
NREOS	0911	6.60	5.48	4.7	Light Dark Tan Brown Gray Olive Yellow Red	r Gravel Rock n Sand Silt Clay	Dry Moist Wet	
NREOG	ZILLO	4.31	245	1.6		d Gravel Rock n Sand Silt Clay	Dry Moist Wet	
NREO 8	11 POD	6.94	24.6	0.0	Light Dark Tan Brown Gray Olive Yellow Red	k Gravel Rock n Sand Silt Clay	Dry Moist Wet	
NRE 09	200000 200000 2017PD	(6.4)	H.K	0.0		r Gravel Rock n Sand Silt Clay	Dry Moist Wet	
NRE 10	BI 50	jo.33	24.5	0.0		Gravel Rock Sand Silt	Dry Moist	

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		4	SWA	<b>Field Screening</b>	eening					
Bocation Name: Source If 1-12 CTB 1	7.81			Date: 9	30/2022	22				
sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color		Primary Soil Type	Moisture Level	Other Remarks/Notes:	-
11-32N 1:46:34 P	6160	68.11	34.51	0.8	Light D Tan Br Gray Ol Yellow Re	Dark Brown S Olive S Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		1
NREIZ	0930	12,01	Phe	1.5		XEa	Gravel Rock Sand Silt Clay	Dry Moist Wet		123
NREIS	1690	4.78	24.5	1.2		X E a	Gravel Rock Sand Silt Clay	Dry Moist Wet		103
NREIU	6670	7.61	34.5	D.J		XEa	Gravel Rock Sand Silt Clay	Dry Moist Wet		
NIRE 15	0923	4.8 C	Stre	D.D		Dark Brown Olive Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
NREIG	htwo	8,75	Q. H.C	0.0		× E n	Gravel Rock Sand Silt Clay	Dry Moist Wet		2
NREOT	0915	9.91	Site	Ø,Ø	Light D Tan Br Gray O Yellow R	Dark Brown Olive Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
ASI QI	00/20	1.88	She	LL	Light C Tan Br Gray O Yellow R	Dark Brown Olive Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		
ASZ @1	5500	CO.H SSPO	9.46	2.1	Light C Tan Br Gray O Yellow R	Dark Brown Olive Red	Gravel Rock Sand Silt Clay	Dry Moist Wet		12

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eleased to									eceived b
) Imag		SV	NSWA	Field Screening	ening				y OCD
Ecation Name: Conutor 1-12 C	CTBI			Date:	25	5			): <u>1/24/2</u>
	Collection Time:	EC (mS)	Temp (°C)	PID Reading		Primary Soil Type	Moisture Level	Other Remarks/Notes:	023 1:5
_	_					Gravel R	Dry		7:47
- (0) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	(40)	×C	TITIC	5.0	Tan Brown Gray Olive Yellow Red	n Sand Silt Clay	Moist Wet		7 <i>PM</i>
) N	001	00.	Lite			Gravel R	Dry		1
AS 4 (a) 1	2001	000	0 00	10	M	Sand Silt	Moist Wet		
	0001	-				k Gravel Rock	Dry		
455 @ 1			1	R		Sand	Moist Wet		-
>	2101	0.62	1.74	Cin	Yellow Red Light Dark		, end		
						Grav Sand	Moist		
H> re (20	CCUI	0000	24.8	3.5	Yellow Red	e Clay	Wet		Τ
2	000	6			Light Dark Tan Brown	rk Gravel Rock vn cand cit	Dry		
ASECO	0000	DI V	LNC	1.1	Gray Olive Yellow Red	Clay	Wet		Τ
	2×0		5			Gravel R	Dry		
AS 602	1000		500	3.6	Gray Olive	re Sand Silt	Moist		
	CTN	0.14	5	)		Gravel R	Dry		
00 624	1201	0.09	of he	4.7	Gray Olive Voltow Red	ve Sand Silt ve Clay	Moist		
	001	- 200	5	-		Gravel R	-		
\$ 1000000 AS 800	1033	0.39	n nc	1.1	Gray Olive Vellow Red	ve Sand Silt d Clay	Moist Wet		
SUE	5 -	R 00	HC HC	5		Dark Gravel Rock Brown Sand Silt Olive Clav	Dry Moist Wet		1
AS 100	(C)	0.27		5	Yellow Red	-			age 57 oj
									f 376

		4	SWA	<b>Field Screening</b>	eening			
Location Name: Securol P CT	CT81			Date: Aug	C-COC 05 %	240		
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	.0	Primary Soil Type	Moisture Level	Other Remarks/Notes:
0 C 1 WWN 1:46:34 P	L1:11	9.53	25.3	12.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
NRWZQO	61:11	Sa.T	35.3	9.21	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
NRW 300	07:11	10.9	h.Se	12.5	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
NRW 4 20	17:11	6.51	25.4	6.01		Gravel Rock Sand Silt Clay	Dry Moist Wet	
AS @ @ @ O	91:11		25.Y	9.6	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
950 06 8	81:11	0.15	25.4	6.8		Gravel Rock Sand Silt Clay	Dry Moist Wet	
ALCON AS 10 Q & S	10:23	2.56	25.4	18.5		Gravel Rock Sand Silt Clay	Dry Moist Wet	
AS 11 @ 8	he:11	346	25.3	し.い		Gravel Rock Sand Silt Clay	Dry Moist Wet	
AS 12 @ 0 AS 12 @ 6	37:11	0.29	25.3	7.3		Gravel Rock Sand Silt Clav	Dry Moist Wet	

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*Received by OCD: 1/24/2023 1:57:47 PM* 

Photograph Log Seawolf 1-12 CTB 1 Devon Energy Production Company



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Photograph #11	SE S SW <sup>120</sup> • I • I • I • I • I • I • I • I • I • I
Client: Devon Energy	
Site Name: Seawolf 1-12 CTB 1	
Date Photo Taken: August 4, 2022	
Release Location: -103.5266320W, 32.0769390N	
1 T: 26S R: 33E Lea County, New Mexico	08/04/2022, 11:09:43 MDT
Photo Taken by: Sarahmay Schlea	Description: Facing south, view of the excavation area around the separators.

.



Photograph #12	SE 120 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 •
Client: Devon Energy	
Site Name: Seawolf 1-12 CTB 1	
Date Photo Taken: August 4, 2022	
Release Location: -103.5266320W, 32.0769390N	
1 T: 26S R: 33E Lea County, New Mexico	08/04/2022, 11:09:55 MDT
Photo Taken by: Sarahmay Schlea	Description: Facing south, view of the excavation area around the separators.

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#### Photograph Log Seawolf 1-12 CTB 1 Devon Energy Production Company



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#### Photograph Log Seawolf 1-12 CTB 1 Devon Energy Production Company



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# APPENDIX D SAMPLING PROTOCOL



# **Sampling Protocol**

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

# Sampling Analysis Field Quality Assurance Procedures

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

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

# APPENDIX E

# LABORATORY ANALYTICAL REPORTS



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E205121

Job Number: 01058-0007

Received: 5/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/1/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/1/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E205121 Date Received: 5/23/2022 5:24:00PM

Ashley Maxwell,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2022 5:24:00PM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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#### Sample Summary

		Sample Sum	mary		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Seawolf 1-12 CTB 1 01058-0007 Ashley Maxwell		<b>Reported:</b> 06/01/22 15:03
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B20 @ 0'	E205121-01A	Soil	05/17/22	05/23/22	Glass Jar, 4 oz.
B20 @ 2.25'	E205121-02A	Soil	05/17/22	05/23/22	Glass Jar, 4 oz.
B21 @ 0'	E205121-03A	Soil	05/17/22	05/23/22	Glass Jar, 4 oz.
B21 @ 1'	E205121-04A	Soil	05/17/22	05/23/22	Glass Jar, 4 oz.
B21 @ 2'	E205121-05A	Soil	05/17/22	05/23/22	Glass Jar, 4 oz.
B22 @ 0'	E205121-06A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B22 @ 1'	E205121-07A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B22 @ 1.25'	E205121-08A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B23 @ 0'	E205121-09A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B23 @ 10"	E205121-10A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B24 @ 0'	E205121-11A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B24 @ 1'	E205121-12A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B25 @ 0'	E205121-13A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B25 @ 1'	E205121-14A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B26 @ 0'	E205121-15A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B26 @ 1'	E205121-16A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B27 @ 0'	E205121-17A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B27 @ 10"	E205121-18A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B28 @ 0'	E205121-19A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B29 @ 0'	E205121-20A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.



		ampic D	aca			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0103	wolf 1-12 CTB 58-0007 ley Maxwell	3-1		<b>Reported:</b> 6/1/2022 3:03:55PM
, ,		SB20 @ 0'	5			
		E205121-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		103 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2222065
Chloride	33.3	20.0	1	05/26/22	05/31/22	

## Sample Data



#### Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 0103	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Maxwell			6/1/2022 3:03:55PM
	S	B20 @ 2.25'				
		E205121-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
oluene	ND	0.0250	1	05/26/22	05/28/22	
-Xylene	ND	0.0250	1	05/26/22	05/28/22	
,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		106 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2222065
Chloride	ND	20.0	1	05/26/22	06/01/22	



#### Sample Data

	Si	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Maxwell			6/1/2022 3:03:55PM
		SB21 @ 0'				
		E205121-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Batch: 2222054		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	50.6	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
urrogate: n-Nonane		106 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2222065
Chloride	172	20.0	1	05/26/22	06/01/22	



#### Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
		SB21 @ 1'				
		E205121-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Foluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
p,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2222081		
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		105 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2222065
Chloride	ND	20.0	1	05/26/22	06/01/22	



#### Sample Data

	0	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name	: Seav	wolf 1-12 CTB	1		
201 S Halagueno St.	Project Numb	ber: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Maxwell			6/1/2022 3:03:55PM
		SB21 @ 2'				
		E205121-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Batch: 2222054		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		103 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2222065
Chloride	ND	20.0	1	05/26/22	06/01/22	



## Sample Data

	50	mpic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manage	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
	\$	SB22 @ 0'				
	]	E205121-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2222054
Benzene	0.304	0.250	10	05/26/22	05/28/22	
Ethylbenzene	3.35	0.250	10	05/26/22	05/28/22	
Toluene	7.95	0.250	10	05/26/22	05/28/22	
p-Xylene	7.53	0.250	10	05/26/22	05/28/22	
o,m-Xylene	24.6	0.500	10	05/26/22	05/28/22	
Fotal Xylenes	32.1	0.250	10	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	350	200	10	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2222081		
Diesel Range Organics (C10-C28)	44200	500	20	05/27/22	05/31/22	
Dil Range Organics (C28-C36)	41200	1000	20	05/27/22	05/31/22	
Surrogate: n-Nonane		294 %	50-200	05/27/22	05/31/22	<i>S5</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222065
Chloride	28300	2000	100	05/26/22	06/01/22	

#### Sample Data

	Da	imple D	ala			
Souder Miller Associates - Carlsbad	Project Name:		wolf 1-12 CTB 1			
201 S Halagueno St.	Project Number		58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Ash	ley Maxwell			6/1/2022 3:03:55PM
	S	SB22 @ 1'				
	1	E205121-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2222054
Benzene	1.23	0.0500	2	05/26/22	06/01/22	
Ethylbenzene	7.53	0.0500	2	05/26/22	06/01/22	
Toluene	22.5	0.0500	2	05/26/22	06/01/22	
p-Xylene	14.7	0.0500	2	05/26/22	06/01/22	
o,m-Xylene	48.4	0.100	2	05/26/22	06/01/22	
Fotal Xylenes	63.1	0.0500	2	05/26/22	06/01/22	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	05/26/22	06/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	897	40.0	2	05/26/22	06/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	05/26/22	06/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2222081		
Diesel Range Organics (C10-C28)	7880	500	20	05/27/22	05/31/22	
Dil Range Organics (C28-C36)	1940	1000	20	05/27/22	05/31/22	
Surrogate: n-Nonane		333 %	50-200	05/27/22	05/31/22	<i>S5</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222065
Chloride	2980	100	5	05/26/22	06/01/22	



#### Sample Data

	50	imple D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	r: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Ash	ley Maxwell			6/1/2022 3:03:55PM
	S	B22 @ 1.25'				
	]	E205121-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2222054
Benzene	0.792	0.250	10	05/26/22	05/31/22	
Ethylbenzene	6.99	0.250	10	05/26/22	05/31/22	
Toluene	18.4	0.250	10	05/26/22	05/31/22	
p-Xylene	15.4	0.250	10	05/26/22	05/31/22	
o,m-Xylene	48.6	0.500	10	05/26/22	05/31/22	
Total Xylenes	64.0	0.250	10	05/26/22	05/31/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/26/22	05/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	744	200	10	05/26/22	05/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	05/26/22	05/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	20900	250	10	05/27/22	05/31/22	
Dil Range Organics (C28-C36)	6340	500	10	05/27/22	05/31/22	
Surrogate: n-Nonane		447 %	50-200	05/27/22	05/31/22	\$5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222065
Chloride	6520	200	10	05/26/22	06/01/22	



#### Sample Data

	5	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	oer: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
		SB23 @ 0'				
		E205121-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/31/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/31/22	
oluene	ND	0.0250	1	05/26/22	05/31/22	
o-Xylene	ND	0.0250	1	05/26/22	05/31/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/31/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/31/22	
urrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/26/22	05/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	05/26/22	05/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2222081
Diesel Range Organics (C10-C28)	72.8	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	117	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		106 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2222065
Chloride	8020	200	10	05/26/22	06/01/22	



#### Sample Data

	50	ampie D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
	S	SB23 @ 10"				
		E205121-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2222054	
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		104 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2222065
Chloride	2740	20.0	1	05/26/22	06/01/22	



	25	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Seav	volf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 0105	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	er: Ash	ey Maxwell			6/1/2022 3:03:55PM
		SB24 @ 0'				
		E205121-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
p,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		104 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2222065
Chloride	106	20.0	1	05/26/22	06/01/22	



#### Sample Data

Sa	imple D	ala			
Project Name:	Seav	wolf 1-12 CTB 1			
Project Number	r: 010:	58-0007		Reported:	
Project Manage	er: Ash	ley Maxwell			6/1/2022 3:03:55PM
	SB24 @ 1'				
[	E205121-12				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: IY		Batch: 2222054	
ND	0.0250	1	05/26/22	05/28/22	
ND	0.0250	1	05/26/22	05/28/22	
ND	0.0250	1	05/26/22	05/28/22	
ND	0.0250	1	05/26/22	05/28/22	
ND	0.0500	1	05/26/22	05/28/22	
ND	0.0250	1	05/26/22	05/28/22	
	106 %	70-130	05/26/22	05/28/22	
mg/kg	mg/kg	Analyst: IY			Batch: 2222054
ND	20.0	1	05/26/22	05/28/22	
	87.5 %	70-130	05/26/22	05/28/22	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2222081
ND	25.0	1	05/27/22	05/28/22	
ND	50.0	1	05/27/22	05/28/22	
	102 %	50-200	05/27/22	05/28/22	
mg/kg	mg/kg	Analy	vst: RAS		Batch: 2222065
	Project Name: Project Numbe Project Manage Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         Seaver of the second seco	Project Number: $01058-0007$ Ashley Maxwell         Project Manager: $Ashley Maxwell$ SB24 (a) 1' $E205121-12$ E205121-12 $Dilution$ Result       Limit       Dilution         Result $Limit$ Dilution         MD $0.0250$ 1         ND $0.0250$ 1         MD $0.0250$ 1         MD $20.01$ 1         MD $20.01$ 1         MD $25.0$ 1         MD $50.01$ 1         MD $50.01$ 1         MD $50.01$ <t< td=""><td>I         Project Name:       Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Ashley Maxwell         SB24 @ 1'         E205121-12         Result       Dilution       Prepared         mg/kg       mg/kg       Analyst: IY         ND       0.0250       1       05/26/22         ND       20.0       1       05/26/22         MD       20.0       1       05/26/22         mg/kg       mg/kg       Analyst: JL         ND       25.0       1       05/26/22         ND       25.0       1       05/26/22         ND       25.0       1</td><td>Image: Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Ashley Maxwell         SB24 @ 1'         E205121-12         Result       Limit       Dilution       Prepared       Analyzed         M2       mg/kg       mg/kg       Analyzed       05/26/22       05/28/22         ND       0.0250       1       05/26/22       05/28/22         ND       20.0       1       05/26/22       05/28/22         MD       20.0       1       05/26/22       05/28/22         MD       &lt;</td></t<>	I         Project Name:       Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Ashley Maxwell         SB24 @ 1'         E205121-12         Result       Dilution       Prepared         mg/kg       mg/kg       Analyst: IY         ND       0.0250       1       05/26/22         ND       20.0       1       05/26/22         MD       20.0       1       05/26/22         mg/kg       mg/kg       Analyst: JL         ND       25.0       1       05/26/22         ND       25.0       1       05/26/22         ND       25.0       1	Image: Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Ashley Maxwell         SB24 @ 1'         E205121-12         Result       Limit       Dilution       Prepared       Analyzed         M2       mg/kg       mg/kg       Analyzed       05/26/22       05/28/22         ND       0.0250       1       05/26/22       05/28/22         ND       20.0       1       05/26/22       05/28/22         MD       20.0       1       05/26/22       05/28/22         MD       <



#### Sample Data

		ample D	ara			
201 S Halagueno St.	Project Name: Project Numbe Project Manag	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
		SB25 @ 0'				
		E205121-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
oluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2222081
Diesel Range Organics (C10-C28)	34.8	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		102 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222065
Chloride	25900	2000	100	05/26/22	06/01/22	



#### Sample Data

Project Name: Project Numb Project Manag		wolf 1-12 C	TB 1			
	ger: Ash	58-0007 ley Maxwel	11			<b>Reported:</b> 6/1/2022 3:03:55PM
	SB25 @ 1'					
	E205121-14					
	Reporting					
Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst: IY		Batch: 2222054	
ND	0.0250	1	1	05/26/22	05/28/22	
ND	0.0250	1	1	05/26/22	05/28/22	
ND	0.0250	1	1	05/26/22	05/28/22	
ND	0.0250	1	1	05/26/22	05/28/22	
ND	0.0500	1	1	05/26/22	05/28/22	
ND	0.0250	1	1	05/26/22	05/28/22	
	107 %	70-130		05/26/22	05/28/22	
mg/kg	mg/kg	Analyst: IY			Batch: 2222054	
ND	20.0	1	1	05/26/22	05/28/22	
	87.2 %	70-130		05/26/22	05/28/22	
mg/kg	mg/kg	mg/kg Analyst: JL		JL		Batch: 2222081
30.0	25.0	1	1	05/27/22	05/28/22	
ND	50.0	1	1	05/27/22	05/28/22	
	106 %	50-200		05/27/22	05/28/22	
mg/kg	mg/kg		Analyst:	RAS		Batch: 2222065
2510	20.0	1	1	05/26/22	06/01/22	
	Result mg/kg ND ND ND ND ND ND ND MD MD mg/kg <b>30.0</b> ND MD	SB25 @ 1'           E205121-14           Reporting           mg/kg         mg/kg           ND         0.0250           ND         20.0           87.2 %         mg/kg           mg/kg         mg/kg           MD         25.0           ND         50.0           106 %         mg/kg	SB25 @ 1'           E205121-14           Reporting           Result         Imit           mg/kg         mg/kg           ND         0.0250           ID         0.0250           ID         0.0250           ID         0.0250           ID         0.0250           ID         0.0250           ID         20.0           Bg/kg         mg/kg           ID         20.0           ID </td <td>SB25 @ 1'           E205121-14           Reporting           Result         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           MD         20.0         1           MD         50.0         1           MD         50.200           mg/kg         mg/kg</td> <td>SB25 @ 1'           E205121-14           Reporting           Result         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/26/22           mg/kg         mg/kg         Analyst: JL           MD         20.0         1         05/26/22           mg/kg         mg/kg         Analyst: JL           30.0         25.0         1         05/27/22           ND         50.0         1         05/27/22           <th< td=""><td>SB25 @ 1'           E205121-14           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyzed         O5/26/22         O5/28/22           ND         0.0250         1         05/26/22         O5/28/22           mg/kg         mg/kg         Analyst: JT         V           ND         20.0         1         05/26/22         05/28/22           mg/kg         mg/kg         Analyst: JT         V         V           30.0</td></th<></td>	SB25 @ 1'           E205121-14           Reporting           Result         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           MD         20.0         1           MD         50.0         1           MD         50.200           mg/kg         mg/kg	SB25 @ 1'           E205121-14           Reporting           Result         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/26/22           mg/kg         mg/kg         Analyst: JL           MD         20.0         1         05/26/22           mg/kg         mg/kg         Analyst: JL           30.0         25.0         1         05/27/22           ND         50.0         1         05/27/22 <th< td=""><td>SB25 @ 1'           E205121-14           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyzed         O5/26/22         O5/28/22           ND         0.0250         1         05/26/22         O5/28/22           mg/kg         mg/kg         Analyst: JT         V           ND         20.0         1         05/26/22         05/28/22           mg/kg         mg/kg         Analyst: JT         V         V           30.0</td></th<>	SB25 @ 1'           E205121-14           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyzed         O5/26/22         O5/28/22           ND         0.0250         1         05/26/22         O5/28/22           mg/kg         mg/kg         Analyst: JT         V           ND         20.0         1         05/26/22         05/28/22           mg/kg         mg/kg         Analyst: JT         V         V           30.0



#### Sample Data

	50	imple D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	volf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Ash	ley Maxwell			6/1/2022 3:03:55PM
		SB26 @ 0'				
	]	E205121-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2222054	
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
p,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	73.7	25.0	1	05/27/22	05/28/22	
Oil Range Organics (C28-C36)	84.4	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		108 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222065
Chloride	32500	2000	100	05/26/22	06/01/22	



#### Sample Data

	56	impic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
		SB26 @ 1'				
	-	E205121-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		101 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2222065
Chloride	4060	100	5	05/26/22	06/01/22	



#### Sample Data

	De	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 0103	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Maxwell			6/1/2022 3:03:55PM
		SB27 @ 0'				
		E205121-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2222054	
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	26.9	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		103 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2222065
Chloride	585	20.0	1	05/26/22	06/01/22	



# Sample Data

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Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		wolf 1-12 CTB 1 58-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Maxwell			6/1/2022 3:03:55PM
	S	B27 @ 10''				
	]	E205121-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
urrogate: n-Nonane		100 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2222065
Chloride	154	20.0	1	05/26/22	06/01/22	



#### Sample Data

	Di	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Maxwell			6/1/2022 3:03:55PM
		SB28 @ 0'				
		E205121-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2222054	
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
urrogate: n-Nonane		97.5 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2222065
Chloride	581	20.0	1	05/26/22	06/01/22	



#### Sample Data

	5	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 3:03:55PM
		SB29 @ 0'				
		E205121-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: JL			Batch: 2222081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		103 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2222065
Chloride	20200	1000	50	05/26/22	06/01/22	



## **QC Summary Data**

	L L		J						
	Project Name: Project Number: Project Manager:	01	058-0007					<b>Reported:</b> 6/1/2022 3:03:55PM	
Volatile Organics by EPA 8021									
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
					]	Prepared: 0	5/26/22 A	analyzed: 05/31/22	
ND ND ND ND ND	0.0250 0.0250 0.0250 0.0250 0.0500 0.0500 0.0250								
8.02		8.00		100		Prepared: 0	5/26/22 A	nalyzed: 05/31/22	
4.92 4.58 4.81 4.75 9.44 14.2 8.21	0.0250 0.0250 0.0250 0.0250 0.0500 0.0250	5.00 5.00 5.00 5.00 10.0 15.0 8.00		98.5 91.6 96.1 94.9 94.4 94.6 <i>103</i>	70-130 70-130 70-130 70-130 70-130 70-130 70-130				
					]	Prepared: 0	5/26/22 A	nalyzed: 05/31/22	
5.06 4.72 4.94 4.90 9.73	0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	5.00 5.00 5.00 5.00 10.0		101 94.4 98.9 97.9 97.3	70-130 70-130 70-130 70-130 70-130	2.76 2.97 2.83 3.12 3.02	20 20 20 20 20 20		
	mg/kg ND ND ND ND ND ND 8.02 4.92 4.58 4.81 4.75 9.44 14.2 8.21 5.06 4.72 4.94	Project Name: Project Number: Project Manager:           Volatile Or           Reporting Limit mg/kg           Result mg/kg         Reporting mg/kg           ND         0.0250           8.02	Project Name:         Se           Project Number:         01           Project Manager:         A           Volatile Organics t         E           Result         Limit         Level           mg/kg         mg/kg         mg/kg           ND         0.0250         ND           ND         0.0250         S.00           ND         0.0250         S.00           ND         0.0250         S.00           A.8         0.0250         S.00           4.92         0.0250         5.00           4.75         0.0250         5.00           4.75         0.0250         5.00           8.21         8.00         S.00           5.06         0.0250         5.00           4.72         0.0250         5.00           4.94         0.0250         5.00	Project Name:         Seawolf 1-12 C 01058-0007           Project Number:         01058-0007           Project Manager:         Ashley Maxwel           Volatile Organics by EPA 802           Result         Spike         Source           mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg           ND         0.0250         mg/kg           ND         0.0250         state           ND         0.0250         mg/kg           MD         0.0250         state           ND         0.0250         mg/kg           MD         0.0250         state           ND         0.0250         state           ND         0.0250         state           ND         0.0250         state           MD         0.0250         state           4.92         0.0250         5.00           4.81         0.0250         5.00           4.42         0.0250         5.00           8.21         8.00         5.06           5.06         0.0250         5.00           4.94         0.0250         5.00           4.94         0.0250 <th< td=""><td>Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source           Result         Limit         Level         Result         Rec           mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250           ND         0.0250         Volatile         Perspective           ND         0.0250         ND         0.0250           ND         0.0250         Source         Perspective           MD         0.0250</td><td>Project Name:         Seawolf 1-12 CTB 1           Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         0.0250           &amp; 0.0250         S.00         98.5         70-130           &amp; 4.92         0.0250         5.00         98.5         70-130           &amp; 4.492         0.0250         5.00         94.4         70-130           &amp; 4.41         0.0250         5.00         94.4         70-130           &amp; 4.42         0.0250         5.00         94.4         70-130</td><td>Project Name:         Seawolf 1-12 CTB 1           Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Rec         Rec           Limit         Level         Result         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         RPD         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           8.02         8.00         100         70-130         Prepared: 0           4.58         0.0250         5.00         91.6         70-130         4.58           4.52         5.00         94.9         70-130         4.75         0.0250         5.00         94.9         70-130           4.4         0.0500         10.0         94.4         70-130         4.75         0.0250         5.00         94.6         70-130           4.71         0.0250         5.00         103         <td< td=""><td>Project Name:         Seawolf 1-12 CTB 1 Project Number:         O1058-0007 01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result mg/kg         Reporting Mg/kg         Spike mg/kg         Source Mg/kg         Rec Mg/kg         Rec Mg/kg         Rep Mg/kg         RPD Mg/kg         Limit Mg/kg         RPD Mg/kg</td></td<></td></th<>	Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source           Result         Limit         Level         Result         Rec           mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250           ND         0.0250         Volatile         Perspective           ND         0.0250         ND         0.0250           ND         0.0250         Source         Perspective           MD         0.0250	Project Name:         Seawolf 1-12 CTB 1           Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         0.0250           & 0.0250         S.00         98.5         70-130           & 4.92         0.0250         5.00         98.5         70-130           & 4.492         0.0250         5.00         94.4         70-130           & 4.41         0.0250         5.00         94.4         70-130           & 4.42         0.0250         5.00         94.4         70-130	Project Name:         Seawolf 1-12 CTB 1           Project Number:         01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result         Rec         Rec           Limit         Level         Result         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         RPD         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           ND         0.0250         ND         0.0250         Prepared: 0           8.02         8.00         100         70-130         Prepared: 0           4.58         0.0250         5.00         91.6         70-130         4.58           4.52         5.00         94.9         70-130         4.75         0.0250         5.00         94.9         70-130           4.4         0.0500         10.0         94.4         70-130         4.75         0.0250         5.00         94.6         70-130           4.71         0.0250         5.00         103 <td< td=""><td>Project Name:         Seawolf 1-12 CTB 1 Project Number:         O1058-0007 01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result mg/kg         Reporting Mg/kg         Spike mg/kg         Source Mg/kg         Rec Mg/kg         Rec Mg/kg         Rep Mg/kg         RPD Mg/kg         Limit Mg/kg         RPD Mg/kg</td></td<>	Project Name:         Seawolf 1-12 CTB 1 Project Number:         O1058-0007 01058-0007           Project Manager:         Ashley Maxwell           Volatile Organics by EPA 8021B           Result mg/kg         Reporting Mg/kg         Spike mg/kg         Source Mg/kg         Rec Mg/kg         Rec Mg/kg         Rep Mg/kg         RPD Mg/kg         Limit Mg/kg         RPD Mg/kg	


# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name: Project Number		Seawolf 1-12 C )1058-0007	TB 1				Reported:
201 S Halagueno St.		5			1				6/1/2022 3:03:55PM
Carlsbad NM, 88220		Project Manager	r: /	Ashley Maxwel	1				6/1/2022 3:03:55PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222054-BLK1)							Prepared: 0	5/26/22 A	nalyzed: 05/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
LCS (2222054-BS2)							Prepared: 0	5/26/22 A	nalyzed: 05/31/22
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			
LCS Dup (2222054-BSD2)							Prepared: 0	5/26/22 A	nalyzed: 05/31/22
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	3.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			



# **QC Summary Data**

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(	Seawolf 1-12 C 01058-0007 Ashley Maxwel					<b>Reported:</b> 6/1/2022 3:03:55PM
	Nonh	alogenated Org	anics by	y EPA 8015E	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2222081-BLK1)							Prepared: 0	5/27/22 A	analyzed: 05/28/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	53.4	2010	50.0		107	50-200			
LCS (2222081-BS1)							Prepared: 0	5/27/22 A	analyzed: 05/28/22
Diesel Range Organics (C10-C28)	522	25.0	500		104	38-132			-
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			
Matrix Spike (2222081-MS1)				Source:	E205121-	04	Prepared: 0	5/27/22 A	analyzed: 05/28/22
Diesel Range Organics (C10-C28)	522	25.0	500	ND	104	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			
Matrix Spike Dup (2222081-MSD1)				Source:	E205121-	04	Prepared: 0	5/27/22 A	analyzed: 05/28/22
Diesel Range Organics (C10-C28)	518	25.0	500	ND	104	38-132	0.631	20	
Surrogate: n-Nonane	48.9		50.0		97.9	50-200			



# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:		Seawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	: (	01058-0007					
Carlsbad NM, 88220		Project Manager		Ashley Maxwel	1				6/1/2022 3:03:55PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222065-BLK1)							Prepared: (	)5/26/22 A	nalyzed: 05/31/22
Chloride	ND	20.0							
LCS (2222065-BS1)							Prepared: (	)5/26/22 A	analyzed: 05/31/22
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2222065-MS1)				Source:	E205121-	01	Prepared: (	)5/26/22 A	analyzed: 05/31/22
Chloride	284	20.0	250	33.3	100	80-120			
Matrix Spike Dup (2222065-MSD1)				Source:	E205121-(	01	Prepared: (	)5/26/22 A	analyzed: 06/01/22
Chloride	280	20.0	250	33.3	98.6	80-120	1.39	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.



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Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	06/01/22 15:03

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project	Information
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Released to Imaging: 2/14/2023 1:46:34 PM

				•												5	5-0	day	4			
	ander,			lates			Bill To	;			_	b U	se On	_	/		TA				A Progra	
	Semuci						ntion: Devon	<del></del>	Lab	WO#		<u>_</u>	l dol				1D	3D	RCF	۸۶	CWA	SDWA
Addross:	1anager: 1 201 5	La DA	MOXWI	<u></u>			ess: <del>Seaucetf</del>		re	22	51	21			-000					····		
Aburess:	$\frac{101 \text{ S.}}{201 \text{ CA}}$	alshad	P NM P	38220		Phon	State, Zip	1		<u> </u>			Analy	sis ar	nd Me	thod					Sta	
	505) 3			<u> </u>	-	Emai															NM CO	
				idermil	As a	1010	A <u></u>	· · · · · · · · · · · · · · · · · · ·	100	801				-		1					TYOY	
Report di	ue by:				iom	1 u	10 # 2098730	2	yd C	V IV	8021	1260	970	300.1			ŇN	×			τχ οκ	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	)			Lab Number	DRO/ORO by 8015	GRO/DRO hy 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chiloride 300			BGDOC - NM	BGDOC - 1			Rem	arks
1300	5/17/22	Soil	1	582	000	>'											X					
1323	3/17/22	Scil	1	5B2	0@2	2.2	5	a									X				,	
1326	5/17/22	Scil	1	SBZ	-100	>'		3									X					
1334	5/17/22	Seil	1	SBZ	101			4									X					
1337	5/17/22	Scil	1	SBZ	1@z		·····	5									X					
OBOI	5/19/22	Sörl	1	SBZ	zee	s'		6			<u> </u>						ý					
0806	5/19/22	5011	1	SBZ	zei'			1									X					
OBILE	T	Soil	1	SBZZ	201.	25'		8									×					
0802	5/19/22	Soil	1	SBZ	300	,		9									X.					
	5/19/22		١	SBZ	301	10"		10									X					
Addition	al Instruc	tions:																				
. (fie'd sampl	er), attest to th	e validity and a	euthenticity of	this sample. I a	m aware that	tamperin	g with or intentionally mislabelling the sample	location, date or					Sample	requir:	ng therma	al preser-	ation a	nust be -	ecewed o	n ste th	e day they are sa	mpled or
time of collec	tion is consider	red fraud and r	may be ground	s for lega: actio	n. Sampled o	<b>y</b> :							receiver	l packet	l in ice ati	an avg te	we apo	ive J bot	less than	é îC pr	subsequent day	s
	ed by: (Sign: H.M.		Date S/	23/22	Time 17	4	Received by: (Signature)	Date 673k	z	Time	729	4	Rec	eive	d on i	ce:	_	ab U	se On	ly		- <u></u>
	ed by: (Sign	-	Date	_	Time		Received by: (Signature	Date		Time			T1				T2				Т3	
Relinquish	ed by: (Sign	ature)	Date		Time		Received by: (Sigrature)	Date		Time			1	i Ter	np °C	_ (	Ī				<u> </u>	
Sample Mat	rix: S - Soil, S	d - Solid, Sg -	Sludge, A - A	queous, O · C	)ther			Containe	r Tvo	E: g • 1	elass.	<b>D</b> • 0	_		_		r ela	ss. v -	VOA			
Note: Samp	les are discar	ded 30 da/s a	after results a	are reported u	unless other		ments are made Hazardous samples will	be returned to c	lient of	dispo	sed of	at the	client e	xpens	e The	report	for th	e anal	vsis of :	he sio	ove sampies	is applicable
							aboratory is limited to the amount paid fo															
	е	nvi	rot	ec	h		· · · · · · · · ·	04 ( 05						÷								

Page 31 of 33

Received by OCD: 1/24/2023 1:57:47 PM

Project	Information
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Page 2 of 5

Received by OCD: 1/24/2023 1:57:47 PM

Client:5	ouder,	Miller	Asso	intes		Bill To	1			Li	b Us	e Onl	<u>у</u> ;	7	Ť	AT		EPA Progra	m
	Seawo					Attention: Devon		Lab				Job N				3D	RCRA	CWA	SDWA
Project N	Aanager: A	tshey	Maxin	<u>ul</u>	E 1-	Address:	÷ .	pz	520	51				2007					<u> </u>
Address:	$\frac{2015}{6}$	1-1000	A NIL	A BBZZ		<u>City, State, Zip</u> Phone:	J	<b> </b>	r			Analy	sis an	d Metho		1	<del></del>		ate UT AZ
Phone: (	505)37	20-85	775		· · · · ·	Email:		5	<u>م</u> ا							1		NM CO	
Ernail: 🕉	Ashley	Marce	rescud	vmin.	ion		÷	801	FO1	_			9					TX OK	++
Report d	ue by:	<u> </u>				WO # 2098730	2	A Ci	V4 0	802	8260	010	300		ŴŇ	ž			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORD by 8015	GRO/DRO IN HO15	BTEX by 8021	VOC by 8260	Metals 6010	Chioride 300.0		BGDOC - NM	BGDUC		Rei	marks
0618	5/19/22	5011	1	SBZL	ieo		[]								X				
0831	5/19/22	5011	1	SB24	101'		12								X				1
0820	5/19/22	Soil	1	SBZ	500'		13								X				
0629	5/19/22	5011		5B25	501		14								X				
0833	5/A/22	Soil	1	5BZ	600	۶ 	15	<u> </u>							X				
0842		Seil	1	SBZ	6C1'		10								X				
0835	5/19/22	Soil	1	SBZ	700	•	17						· .		X				
0547	5/19/22	Scil	1	SB27	70197	ín 	18								X				
0955	5/1a/22	Soil	1	SBZ	300'		19		ļ						×				
	5/19/22		1	5B2	१७०	·	QU									4			
Addition	nalInstruc	ctions:																	
. (fie'd samp	ler), attest to th	he validity and a	uthenticity of	his sample. Lan	n aware that ta	moreing with or intentionally mislabelling the sample	location, date or					Samples	requira	g thermal pre	servation	must be	received on Ke	the day they are:	ampled 定
1				for lega: action.								received	packed	an ice atan ai	rg temp a	bove 3 be	at less than is 't	on subsequent de	rys
Representation of the second s							Dater Dater	2	Time	72	4	Reco	ivec	l on ice:		Lab U v)/ 1	lse Only N		
Relinquist	ned by: (Sign	nature)	Date		Time	Received by: (Signature)	Date		Time			T1			T2			<u>T3</u>	
Relinquist	ned by: (Sign	nature)	Date		Time	Received by: (Signature)	Date		Time			1	Ten	np °C	Ą				
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 da/s 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 applicability of the above samples is applicability 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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Page 32 of 33

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad Da	ate Received:	05/23/22 17	:24	Work Order ID: E205121
Phone:	(505) 325-7535 Da	ate Logged In:	05/24/22 11:	:08	Logged In By: Caitlin Christian
Email:	ashley.maxwell@soudermiller.com De	ue Date:	05/31/22 17	:00 (5 day TAT)	)
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier:	Heather Wood
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project has been seperated into 3 reports
Sample	<u>Cooler</u>				due to amount of samples. Workorders are
7. Was a	sample cooler received?		Yes		as follows:
8. If yes,	was cooler received in good condition?		Yes		E205121 COC pg 1&2 of 5, E205122 COC
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		pg 3&4 of 5, E205123 COC pg 5 of 5.
10. Were	e custody/security seals present?		No		pg 3&4 01 5, E205125 COC pg 5 01 5.
11. If yes	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>'C</u>		
Sample	Container	· _			
	aqueous VOC samples present?		No		
15. Are V	VOC samples collected in VOA Vials?		NA		
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are 1	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample containers	s collected?	Yes		
<u>Field La</u>					
	e field sample labels filled out with the minimum inform	ation:	V		
	Sample ID? Date/Time Collected?		Yes		
	Collectors name?		Yes No		
	Preservation		110		
	the COC or field labels indicate the samples were prese	erved?	No		
22. Are s	sample(s) correctly preserved?		NA		
24. Is lat	o filteration required and/or requested for dissolved meta	als?	No		
<u>Multiph</u>	ase Sample Matrix				
26. Does	the sample have more than one phase, i.e., multiphase?		No		
27. If ye	s, does the COC specify which phase(s) is to be analyzed	d?	NA		
<u>Subcont</u>	ract Laboratory				
28. Are s	samples required to get sent to a subcontract laboratory?		No		
	a subcontract laboratory specified by the client and if so		NA S	ubcontract La	ıb: na
	Instruction				

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E205122

Job Number: 01058-0007

Received: 5/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/1/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/1/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E205122 Date Received: 5/23/2022 5:24:00PM

Ashley Maxwell,



Page 117 of 376

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2022 5:24:00PM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Samp	0	Sum	ma	141.7
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		Sample Sum	mary		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Seawolf 1-12 CTB 01058-0007 Ashley Maxwell	I	<b>Reported:</b> 06/01/22 14:30
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B30 @ 0'	E205122-01A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B31 @ 0'	E205122-02A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B32 @ 0'	E205122-03A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B33 @ 0'	E205122-04A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B34 @ 0'	E205122-05A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B35 @ 0'	E205122-06A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
336 @ 0'	E205122-07A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B36 @ 1'	E205122-08A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B37 @ 0'	E205122-09A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B38 @ 0'	E205122-10A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B39 @ 0'	E205122-11A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B40 @ 0'	E205122-12A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B41 @ 0'	E205122-13A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B42 @ 0'	E205122-14A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B43 @ 0'	E205122-15A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B44 @ 0'	E205122-16A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B45 @ 0'	E205122-17A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B46 @ 0'	E205122-18A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
347 @ 0'	E205122-19A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.
B47 @ 6"	E205122-20A	Soil	05/19/22	05/23/22	Glass Jar, 4 oz.



	Du	mpic D	utu			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manage	r: 010:	volf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 2:30:25PM
	5	SB30 @ 0'				
	]	E205122-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2222053
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2222053
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AK		Batch: 2222082
Diesel Range Organics (C10-C28)	164	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	145	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		104 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222066
Chloride	23700	2000	100	05/26/22	05/31/22	

# Sample Data



# Sample Data

	5	ampie D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	oer: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 2:30:25PM
		SB31 @ 0'				
		E205122-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2222053
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
o-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Fotal Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2222053
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: AK		Batch: 2222082
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/28/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/28/22	
Surrogate: n-Nonane		100 %	50-200	05/27/22	05/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2222066
Chloride	20600	1000	50	05/26/22	05/31/22	



# Sample Data

	Salli	ipie Da	la				
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1				1
201 S Halagueno St.	Project Number:	01058-	0007			Reported:	
Carlsbad NM, 88220	Project Manager:	Project Manager: Ashley Maxwell					
	SB3	32 @ 0'					1
	E20	5122-03					_
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066	
Chloride	23000	2000	100	05/26/22	05/31/22		



# Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numb		wolf 1-12 CTB 1 58-0007			Reported:
Carlsbad NM, 88220	Project Manag		ley Maxwell			6/1/2022 2:30:25PM
		SB33 @ 0'				
		E205122-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2222053
Benzene	ND	0.0250	1	05/26/22	05/28/22	
thylbenzene	ND	0.0250	1	05/26/22	05/28/22	
oluene	ND	0.0250	1	05/26/22	05/28/22	
-Xylene	ND	0.0250	1	05/26/22	05/28/22	
,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2222053
asoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	05/26/22	05/28/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AK		Batch: 2222082
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/29/22	
urrogate: n-Nonane		106 %	50-200	05/27/22	05/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2222066
Chloride	6830	200	10	05/26/22	05/31/22	



# Sample Data

	Dam	pic Da	la					
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1					
201 S Halagueno St.	Project Number:	01058-		Reported:				
Carlsbad NM, 88220	Project Manager:	5						
	SB3	4@0'						
	E205	5122-05						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS E								
Chloride	29600	2000	100	05/26/22	05/31/22			



# Sample Data

	Sam	pic Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Project Manager: Ashley Maxwell				6/1/2022 2:30:25PM
	SB3	5 @ 0'				
	E205	5122-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	17400	2000	100	05/26/22	06/01/22	



# Sample Data

	Sam	pie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Project Manager: Ashley Maxwell				
	SB3	6@0'				
	E205	5122-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	20.7	20.0	1	05/26/22	05/31/22	



# Sample Data

	Sam	pic Da	la					
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1					
201 S Halagueno St.	Project Number:	Project Number: 01058-0007						
Carlsbad NM, 88220		6/1/2022 2:30:25PM						
	SB3	6 @ 1'						
	E205	5122-08						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS								
Chloride	196	20.0	1	05/26/22	05/31/22			



# Sample Data

	Sam	pic Da	la					
Souder Miller Associates - Carlsbad	Project Name:	Seawo	f 1-12 CTB 1					
201 S Halagueno St.								
Carlsbad NM, 88220								
	SB3	7@0'						
	E205	5122-09						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS								
Chloride	34.8	20.0	1	05/26/22	05/31/22			



# Sample Data

	Sam		la					
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1					
201 S Halagueno St.	Project Number:	Project Number: 01058-0007						
Carlsbad NM, 88220	NM, 88220 Project Manager: Ashley Maxwell							
	SB3	8@0'						
	E205	5122-10						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS								
Chloride	1650	20.0	1	05/26/22	05/31/22			



	5	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 6/1/2022 2:30:25PM
		SB39 @ 0'				
		E205122-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2222053
Benzene	ND	0.0250	1	05/26/22	05/28/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22	
Toluene	ND	0.0250	1	05/26/22	05/28/22	
p-Xylene	ND	0.0250	1	05/26/22	05/28/22	
o,m-Xylene	ND	0.0500	1	05/26/22	05/28/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2222053
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	05/26/22	05/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AK		Batch: 2222082
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/29/22	
Surrogate: n-Nonane		106 %	50-200	05/27/22	05/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2222066
Chloride	184	20.0	1	05/26/22	05/31/22	

## Sample Data

	56	imple D	ala				
Souder Miller Associates - Carlsbad	Project Name:	Seav	volf 1-12 CTB	1			
201 S Halagueno St.	Project Numbe	er: 0103	58-0007	Reported:			
Carlsbad NM, 88220	Project Manag	er: Ash	ley Maxwell			6/1/2022 2:30:25PM	
		SB40 @ 0'					
	-	E205122-12					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: IY			
Benzene	ND	0.0250	1	05/26/22	05/28/22		
Ethylbenzene	ND	0.0250	1	05/26/22	05/28/22		
Toluene	ND	0.0250	1	05/26/22	05/28/22		
-Xylene	ND	0.0250	1	05/26/22	05/28/22		
,m-Xylene	ND	0.0500	1	05/26/22	05/28/22		
Total Xylenes	ND	0.0250	1	05/26/22	05/28/22		
urrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	05/26/22	05/28/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2222053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/28/22		
urrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	05/26/22	05/28/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AK		Batch: 2222082	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/29/22		
Dil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/29/22		
urrogate: n-Nonane		106 %	50-200	05/27/22	05/29/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2222066	
Chloride	99.2	20.0	1	05/26/22	05/31/22		



# Sample Data

	Sam	pic Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	6/1/2022 2:30:25PM				
	SB4	1@0'				
	E20:	5122-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	448	20.0	1	05/26/22	05/31/22	



# Sample Data

	Sali	ipie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:
Carlsbad NM, 88220	6/1/2022 2:30:25PM					
	SB	42 @ 0'				
	E2(	05122-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222066
Chloride	192	20.0	1	05/26/22	05/31/22	



# Sample Data

	Sall	ipie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	v Maxwell			6/1/2022 2:30:25PM
	SB	43 @ 0'				
	E20	)5122-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	13200	200	10	05/26/22	06/01/22	



# Sample Data

	Sam	pic Da	la				
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1				
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:	
Carlsbad NM, 88220	Project Manager:	Project Manager: Ashley Maxwell					
	SB4	4 @ 0'					
	E20:	5122-16					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222066	
Chloride	127	20.0	1	05/26/22	06/01/22		



# Sample Data

	Sali	ipie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			6/1/2022 2:30:25PM
	SB4	45 @ 0'				
	E20	5122-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	1800	20.0	1	05/26/22	06/01/22	



# Sample Data

	Sam	pie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	6/1/2022 2:30:25PM					
	SB4	6 @ 0'				
	E205	5122-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222066
Chloride	14400	400	20	05/26/22	06/01/22	



# Sample Data

	Sam	pic Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	6/1/2022 2:30:25PM				
	SB4	7@0'				
	E205	5122-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222066
Chloride	30300	2000	100	05/26/22	06/01/22	



# Sample Data

	Sam	pic Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	6/1/2022 2:30:25PM				
	SB4	7@6''				
	E205	5122-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222066
Chloride	2750	20.0	1	05/26/22	06/01/22	



# **QC Summary Data**

	Project Name: Project Number: Project Manager:	01	awolf 1-12 C 058-0007	TB 1				Reported:
			shley Maxwel	1				6/1/2022 2:30:25PM
	Volatile O	Analyst: IY						
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					I	Prepared: 0:	5/26/22 A	analyzed: 05/31/22
ND ND ND ND ND	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500 0.0250							
8.47		8.00		106		Prepared: 0:	5/26/22 A	analyzed: 05/31/22
4.94 4.56 4.81 4.74 9.41 14.1 8.06	0.0250 0.0250 0.0250 0.0250 0.0500 0.0250	5.00 5.00 5.00 5.00 10.0 15.0 8.00		98.8 91.2 96.1 94.8 94.1 94.3 <i>101</i>	70-130 70-130 70-130 70-130 70-130 70-130 70-130			
					I	Prepared: 0	5/26/22 A	nalyzed: 05/31/22
5.10 4.70 4.96 4.89 9.69 14.6	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500 0.0250	5.00 5.00 5.00 5.00 10.0 15.0		102 94.1 99.2 97.7 96.9 97.2	70-130 70-130 70-130 70-130 70-130 70-130	3.16 3.05 3.19 3.03 2.96 2.99	20 20 20 20 20 20 20	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	MD     0.0250       ND     0.0250       A     0.0250       &     4.94       0.0250     8.47       4.94     0.0250       4.56     0.0250       4.81     0.0250       4.74     0.0250       9.41     0.0500       14.1     0.0250       4.96     0.0250       4.96     0.0250       4.96     0.0250       4.96     0.0250       4.89     0.0250       4.89     0.0250       9.69     0.0500       14.6     0.0250	ND     0.0250       A.94     0.0250       4.94     0.0250       4.94     0.0250       4.81     0.0250       4.81     0.0250       9.41     0.0500       14.1     0.0250       5.00     4.74       6.06     8.00       5.10     0.0250     5.00       4.70     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       4.89     0.0250     5.00       9.69     0.0500<	ND     0.0250     mg/kg     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       4.94     0.0250     5.00     mg/kg       4.56     0.0250     5.00     mg/kg       4.56     0.0250     5.00     mg/kg       4.81     0.0250     5.00     mg/kg       9.41     0.0500     10.0     mg/kg       5.10     0.0250     5.00     mg/kg       5.10     0.0250     5.00     mg/kg       4.74     0.0250     5.00     mg/kg       5.10     0.0250     5.00     mg/kg       4.89     0.0250     5.00     mg/kg       4.89     0.0250     5.00     mg/kg       4.89     0.025	ND     0.0250     mg/kg     mg/kg     mg/kg     %       ND     0.0250     ND     0.0250       ND     0.0250     ND     0.0250       ND     0.0250     ND     0.0250       ND     0.0250     ND     0.0500       ND     0.0250     0     106       4.94     0.0250     5.00     98.8       4.56     0.0250     5.00     91.2       4.81     0.0250     5.00     94.8       9.41     0.0500     10.0     94.1       14.1     0.0250     5.00     94.3       8.06     8.00     101       5.10     0.0250     5.00     94.3       8.06     8.00     101       4.89     0.0250     5.00     94.2       4.89     0.0250     5.00     94.2       4.89     0.0250     5.00     94.2       4.89     0.0250     5.00     94.2       4.89     0.0250     5.00     94.2 <	Reduit     LOUID     Reduit       mg/kg     mg/kg     mg/kg     mg/kg     %       ND     0.0250     ND     0.0250       & 4.47     & 8.00     106     70-130       4.56     0.0250     5.00     98.8     70-130       4.81     0.0250     5.00     94.8     70-130       4.74     0.0250     5.00     94.8     70-130       4.74     0.0250     15.0     94.3     70-130       9.41     0.0500     10.0     94.1     70-130       8.06     8.00     101     70-130       4.70     0.0250     5.00     94.1     70-130       4.80     0.0250     5.00     94.1     70-130       4.70	Redark     mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     %     %       MD     0.0250     Prepared: 01     Prepared: 01     Prepared: 01     Prepared: 01       ND     0.0250     ND     0.0250     Prepared: 01     Prepared: 01       ND     0.0250     ND     0.0250     Prepared: 01     Prepared: 01       8.47     8.00     106     70-130     Prepared: 01       4.56     0.0250     5.00     98.8     70-130       4.56     0.0250     5.00     94.8     70-130       4.74     0.0250     5.00     94.8     70-130       4.74     0.0250     15.0     94.3     70-130       9.41     0.0500     10.0     94.1     70-130       8.06     8.00     101     70-130     3.16       4.70     0.0250     5.00     94.3     70-130     3.16       4.70     0.0250     5.00     94.1     70-130     3.16       4.70     0.0250 <t< td=""><td>ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     %</td></t<>	ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     ng/kg     %



# **QC Summary Data**

		L L		v					
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number	: 0	1058-0007					-
Carlsbad NM, 88220		Project Manage	r: A	Ashley Maxwel	11				6/1/2022 2:30:25PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222053-BLK1)							Prepared: 0	5/26/22 A	analyzed: 05/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2222053-BS2)							Prepared: 0	5/26/22 A	analyzed: 05/31/22
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS Dup (2222053-BSD2)							Prepared: 0	5/26/22 A	analyzed: 05/31/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130	1.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



# **QC Summary Data**

		QU DI	u 111111	ary Data	•				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		Seawolf 1-12 CT 01058-0007 Ashley Maxwell	B 1				<b>Reported:</b> 6/1/2022 2:30:25PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222082-BLK1)							Prepared: 0	5/27/22 A	Analyzed: 05/28/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			
LCS (2222082-BS1)							Prepared: 0	5/27/22 A	Analyzed: 05/28/22
Diesel Range Organics (C10-C28)	514	25.0	500		103	38-132			
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			
Matrix Spike (2222082-MS1)				Source: F	205112-	02	Prepared: 0	5/27/22 A	Analyzed: 05/28/22
Diesel Range Organics (C10-C28)	1310	125	500	777	107	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			
Matrix Spike Dup (2222082-MSD1)				Source: H	205112-	02	Prepared: 0	5/27/22 A	Analyzed: 05/28/22
Diesel Range Organics (C10-C28)	1400	125	500	777	124	38-132	6.22	20	
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			



# **QC Summary Data**

		L L		J.					
Souder Miller Associates - Carlsbad		Project Name:	S	Seawolf 1-12 CTB 1					Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager	: А	shley Maxwel	11				6/1/2022 2:30:25PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222066-BLK1)							Prepared: 0	5/26/22 A	nalyzed: 05/31/22
Chloride	ND	20.0							
LCS (2222066-BS1)							Prepared: 0	5/26/22 A	analyzed: 05/31/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2222066-MS1)				Source: E205122-01			Prepared: 05/26/22 Analyzed: 05/31/22		
Chloride	20600	2000	250	23700	NR	80-120			M4
Matrix Spike Dup (2222066-MSD1)				Source: E205122-01				5/26/22 A	analyzed: 05/31/22
Chloride	16300	2000	250	23700	NR	80-120	22.9	20	M4, R3

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.


	Deminition	, and 1 (ores	
tes - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
	Project Number:	01058-0007	Reported:
	Project Manager:	Ashley Maxwell	06/01/22 14:30
	ates - Carlsbad	ates - Carlsbad Project Name: Project Number:	Project Number: 01058-0007

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.

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

ND Analyte NOT DETECTED at or above the reporting limit

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

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



Project	nformation
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Page 3 of 5

Received by OCD: 1/24/2023 1:57:47 PM

Client:Se	udu N	Lular ?	Associ	ales		Bill To					ab Us			7		TA	T	E	PA Progra	m
Project:	Seauc Aanager: /	4-1-12 Ehren	CTB	1		ttention: Devon	;	Lab	wo# 520	، رس			lumb			1D	3D	RCRA	CWA	SDWA
Address:	201 5	Have	MALANO	<u> </u>		ty, State, Zip	÷	24	-//	D/2				d Niet						l ate
City, Stat	e, Zip Ca	Aspai	NN.Y	68220		none:											T			UTAZ
Phone: (	505)3	20-69	75		E	nail:		ŝ	2											
Ernail: A Report d		Maxwe	ll "Sou	dermili	<i>Cin</i>	WO + 20987307	2	IC by 80	IO by BO	8021	8260	010	300.0			MN	ž		ΤΧ ΟΚ	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORD by 8015	GRO/DRO hy 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chioride 300.0			BGDOC - NM	96000		Rer	narks
1000	5/19/22	Soil	ì	5830	000'											×				
1003	5/19/22	Scil	١	5B3	100'		2									X				;
1124	5/19/22	<u>s</u> à1	١	5B3	200'		3						x		W.					
1128	5/14/22	Scil	N	5B3	300		4									Ķ				
1129	5/A/22	Soul	١.	SB3i	400'		5						X							
1131	5/19/22	Sáil	1	5B 34	500		6						X							
1154	5/19/22	Soil	١	SB3	600		7						X							
1204	5/14/22	Seil	<u>۱</u>	583	601		8						X							
0920	5/20/22	Scil	1	5B37	+00'		9						X							
0922	5/24/22	Soil	1	5B36	600'		$ 10\rangle$						Y							
Addition	alinstruc	tions:																		
, (fæid samp	er), stiest to th	e validity and a	uthenticity of	this sample. Far	m aware that tam	pering with printentionally mislabelling the sample lo	cation, date or												he day they are s	
				s for lega: action								receive	packed :	ah ICE 818	n avg te				subsequent da	γ\$
The	ed by: (Sign HAM	. Woo	5	23/22	1711	Received by: (Signature)	Date	Z		2	1	Rec	eived	on ic	e:		ab Us	e Only		
Relinquish	ed by: (Sign	ature)	Date		Time	Received by: (Signature)	Date		Time			I1				T2			тз	
Relinquist	ed by: (Sign	ature)	Date		Time	Received by: (Signature)	Date		Time			AVG	i Terr		-7	Ŧ				
				queous, <b>O</b> - Ol		·····	Containe	г Тур	e: g -	glass,	<b>p</b> - p	oly/p	lastic,	ag - a	mbe	r glas	ss, v -	VOA		
Note: Samp	oles are discar	ded 30 da/s a	after results a	it this COC	nless other arra	ngements are made Hazardous samples will be the laboratory is limited to the amount paid for	e returned to c	lient o	r dispo	sed of	at the	client e	xpense	The	eport	for the	e analy	sis of the a	oove samples	is applicable
517 10 110						are about story is tarrilled to the amount paid for	on the report.			•••						-				
	e	nvi	rot	ec	h															
	_		;			· · ·														

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Project Information	
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Client: Soudw, Miller * Associates	Bill To i				La	b Us	e Only		7	T	AT	E	PA Progra	m
Project: Seawork 1-12 CTB 1	Attention: Devon		Lab	WQ#			Job N		er	1D		RCRA	CWA	SDWA
Project Manager: ASNLEY MUXWELL	Address:	<u> </u>	PE	₩0# 20	512	Z	0105	58-1	0007					
Address: 201 S. Halaqueno	City, State, Zip								Nethoo	1			Sta	te
City, State, Zip Carls bad, NM 58220	Phone:						T						NM CO	UT AZ
Phone: (505) 320 - 8975	Email:		51	≅.										
Email: Schley, Maxwell Scuderweller. un	110.4 200 222		v 80	R X	5	0		2			1		TX OK	
Report due by:	WO # 209 B7302		្ត្ល	ő	802	826	10g	Ř		Ž	ž			
Time Date Matrix Ne Sample ID		Lab	DRO/ORD by 8015	GRO/DRO hy #015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.		BGDUC - NM	BGDUC -		Ren	narks
		Number	<u> </u>		8	>	Σ	•		<u> </u>	L ä			
0926 5/26/22 Soul 1 SB39 C	<u></u>									*				
0932 5/20/22 Soil 1 SB40@0	o'	12								X				
0935 5/22/12 Soil 1 SB41@0		13					-	X						
0938 5/20/22 Soul 1 SB420		liu						x		$\square$			1	
		lia						<u>γ</u> γ		+	-			
$D940 \frac{9/2}{12} \frac{50111}{584300}$	· · · · · · · · · · · · · · · · · · ·	$\frac{10}{10}$	┨							<u> </u>		<u> </u>		
1012 3/20/22 Soil 1 SB44@C	<b>)</b>	$\ \mathcal{Q}\ $	ļ					×		<u> </u>	<b> </b>			
1015 3/24/22 5011 1 SB45 0C	)	17					ŀ	¥						
1017 5/20/22 Soil   SB4600	)'	18			_			X						
1019 5/24/21 Soil 1 SB47@	0'	19						×						
1146 5/22/21 Still 1 5B470		20						X						
Additional Instructions:			1	L		I	II_		l ·	1	1	<u>.</u>	<b></b>	
, (field sampler), attest to the validity and authenticity of this sample. I am aware that	t tampering with or intentionarily mistabelling the sound bo	ation date or					Samples :	equiring	thermal press	rvation :	aust be	ecewed on Ke t	he day they are si	mpled =
time of collection is considered fraud and may be grounds for legal action. Sampled o	y:												n subsequent da	
Reinquished by: (Signature) Date 5/23/22 Time 17	Received by: (Signature)	Date 523	h	Time	+2	Ч	Recei	ved o	on ice:		ab U	se Only		
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time		_					<i>.</i>		<b>T</b> D	
Relinquished by: (Signature) Date Time	Received by: (Sigrature)	Date		Time					(	, <u>"</u> 1			<u>T3</u>	
							AVG			1			· · _ · · · · · · · · · · · · · · · · ·	
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other		Containe												
Note: Samples are discarded 30 days after results are reported unless other only to those samples received by the laboratory with this COC. The liability			nent of	aispo	20 Of		uient ex	pense	ine repoi	1 *OF ()	ne anal	vsis or the Bi	oove samples	is abbitcapie

Received by OCD: 1/24/2023 1:57:47 PM

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Released to Imaging: 2/14/2023 1:46:34 PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad D	ate Received:	05/23/22 17:	24	Work Order ID: E205122
Phone:	(505) 325-7535 D	ate Logged In:	05/24/22 11:	)9	Logged In By: Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	ue Date:	05/31/22 17:	00 (5 day TAT)	
<u>Chain o</u>	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: H	Heather Wood
4. Was t	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project has been seperated into 3 reports
Sample	Cooler_				due to amount of samples. Workorders are
7. Was a	sample cooler received?		Yes		as follows:
8. If yes	, was cooler received in good condition?		Yes		E205121 COC pg 1&2 of 5, E205122 COC
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		pg 3&4 of 5, E205123 COC pg 5 of 5.
10. Were	e custody/security seals present?		No		pg 3&4 01 3, E203123 COC pg 3 01 3.
11. If ye	s, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	Ċ		
	Container	I			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes		
Field La	abel				
20. Were	e field sample labels filled out with the minimum inform	nation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes	l	
	Collectors name?		No		
	<u>Preservation</u> s the COC or field labels indicate the samples were pres	erved?	No		
	sample(s) correctly preserved?		NO		
	b filteration required and/or requested for dissolved met	als?	No		
	• •		110		
	n <mark>ase Sample Matrix_</mark> s the sample have more than one phase, i.e., multiphase <sup>:</sup>	,	No		
	s, does the COC specify which phase(s) is to be analyze		NO NA		
•			INA		
	tract Laboratory	,	ŊŢ		
		,	No		
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so			ibcontract Lab	

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E205123

Job Number: 01058-0007

Received: 5/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/31/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 5/31/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E205123 Date Received: 5/23/2022 5:24:00PM

Ashley Maxwell,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2022 5:24:00PM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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eceived by OCD: 1/24/2023 1:57:47 PM			Page 1	52 of 376
	Sample Sum	mary		
Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	Reported:	
201 S Halagueno St.	Project Number:	01058-0007	Reporteu:	

Carlsbad NM, 88220		Project Manager:	Ashley Maxwell		05/31/22 17:06
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB48 @ 0'	E205123-01A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.
SB49 @ 0'	E205123-02A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.
SB50 @ 0'	E205123-03A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.
SB51 @ 0'	E205123-04A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.
SB52 @ 0'	E205123-05A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.
SB34 @ 6"	E205123-06A	Soil	05/20/22	05/23/22	Glass Jar, 4 oz.



	Sam	pie Da	เล			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell		5/31/2022 5:06:41PM	
	SB4	18 @ 0'				
	E20:	5123-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS	Batch: 2222063	
Chloride	1040	20.0	1	05/26/22	05/28/22	

## Sample Data



#### Sample Data

	Sall	ipie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			5/31/2022 5:06:41PM
	SB4	49 @ 0'				
	E20	5123-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	Batch: 2222063					
Chloride	16400	400	20	05/26/22	05/28/22	



#### Sample Data

	Sain	ipie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			5/31/2022 5:06:41PM
	SB	50 @ 0'				
	E20	5123-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	Batch: 2222063					
Chloride	11800	400	20	05/26/22	05/28/22	



#### Sample Data

	Sam	pic Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			5/31/2022 5:06:41PM
	SB5	1@0'				
	E205	5123-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222063
Chloride	40600	2000	100	05/26/22	05/28/22	



#### **Sample Data**

	Samj	pic Da	<i>ia</i>			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	-0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			5/31/2022 5:06:41PM
	SB5	2 @ 0'				
	E205	5123-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2222063
Chloride	333	20.0	1	05/26/22	05/28/22	



#### Sample Data

	Sam	pie Da	la			
Souder Miller Associates - Carlsbad	Project Name:	Seawo	lf 1-12 CTB 1			
201 S Halagueno St.	Project Number:	01058-	0007			Reported:
Carlsbad NM, 88220	Project Manager:	Ashley	Maxwell			5/31/2022 5:06:41PM
	SB34	4@6''				
	E205	5123-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2222063
Chloride	1860	40.0	2	05/26/22	05/28/22	



### **QC Summary Data**

		L L		J					
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					r
Carlsbad NM, 88220		Project Manager	: А	shley Maxwel	11				5/31/2022 5:06:41PM
		Anions	by EPA	<b>300.0/9056</b> A	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2222063-BLK1)							Prepared: 0	5/26/22 A	analyzed: 05/28/22
Chloride	ND	20.0							
LCS (2222063-BS1)							Prepared: 0	5/26/22 A	analyzed: 05/28/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2222063-MS1)				Source:	E205117-(	)1	Prepared: 0	5/26/22 A	analyzed: 05/28/22
Chloride	15200	200	250	16300	NR	80-120			M4
Matrix Spike Dup (2222063-MSD1)				Source:	E205117-(	)1	Prepared: 0	5/26/22 A	analyzed: 05/28/22
Chloride	17800	200	250	16300	605	80-120	16.1	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.



Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	05/31/22 17:06
	201 S Halagueno St.	201 S Halagueno St. Project Number:	201 S Halagueno St. Project Number: 01058-0007

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information	
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Released to Imaging: 2/14/2023 1:46:34 PM

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ient: Souder, Mullei	Siccoles		Bill To						e Onl		7		AT		EPA P	rogra	m
oject: Seawolf 1-12 (			ttention: Devon	<u> </u>	Lab		h	22		lumb	er 000-	1D	3D	RCRA	<u> </u>	NA	SDW
ddress: 201 S. Haldan			ity, State, Zip		PC		101	6	Analys	<u>58-</u>	d Meth		1		·	 Sta	
ty, State, Zip Carlsbad	NM BBZZO	• P	hone:										1	<u>1 – 1 – 1 – 1 – 1 – 1 – 1 – 1 – 1 – 1 –</u>	NM		
none: (505) 320- 8975	5	F	mail:		2	2											
mail: AShley. Maxwelles	oudermiller.co	m     -	1110 14 000 000 0		08	V 801	_			2			1		TX	ок	
eport due by:			WO# 20987302		р Р	1 g	802	826	0109	ЭЙ		NN -	≍				
ampico som pico	No Intainers Sample ID	• • • • • • • • •	·	Lab Number	DRO/ORO by 8015	GRO/DRO hy 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chioritde 300.0		BGDOC - NM	BGDUC -			Rem	narks
113 5/20/22 5011	1 5841	600'		1						X							
1116 5/20/22 Scil	1 5B4	900'		2						Ń						;	!
117 5/20/22 Soil		oed		3						×					T		
14B 5/20/22 Soul	SB5	100'		4						X							
1149 5/20/22 Soul	1 5B5	200		5						X			Τ				
1103 5/24/22 Sil	1 5B3	340	6	0						*							
Additional Instructions:																	
(fie'd sampler), attest to the validity and auther ime of collection is considered fraud and may p	e grounds for lega: action.	. Sampled by:	pering with or intentionally mislabelling the sample k	cation, date or										received on ice in less than 6 10			
einquished by: (Signature)	5/23/22		Received by: (Signature)	Date Des	Z	Time	72	94	Rece	ived	on ice	: (	Help L Y ) I	Jse Only N			
telinquished bγ: (Signature)	Date	ĩime	Received by: (Signature)	Date		Time						ر 12			тз		
lelinquished by: (Signature)	Date	Time	Received by: (Signature)	Date		Time			AVG	Tem	n °r	Ţ	[	· · · · · · · · · · · · · · · · · · ·	<u> </u>		
ample Matrix: S - Soil, Sd - Solid, Sg - Slud				Container	Туре	⊥ ⊇:g•i	glass,	<b>p</b> - p	oly/pla	astic,	ag - an	nber g	ass, v	- VOA			
lote: Samples are discarded 30 da/s after only to those samples received by the labo	results are reported un ratory with this COC.	nless other arra The liability of	ngements are made. Hazardous samples will b the laboratory is limited to the amount paid for	e returned to cl	lient or	dispos	sed of	at the o	dient ex	pense	There	port for	the ana	lvsis of the	sbove sa	mples i	is applica
	otec																

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Received by OCD: 1/24/2023 1:57:47 PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	ate Received:	05/23/22 17:24	4	Work Order ID:	E205123
Phone:	(505) 325-7535 E	ate Logged In:	05/24/22 11:13	3	Logged In By:	Caitlin Christian
Email:		ue Date:	05/31/22 17:00	0 (5 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Heather Wood		
4. Was t	the COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
<u>Sample</u>	<u>e Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	o visible ice, record the temperature. Actual sample te	mperature: 4°	с			
	Container	I · · · · ·	-			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample container	s collected?	Yes			
19. Is the	ahal					
19. Is the <b>Field L</b> a						
Field La	re field sample labels filled out with the minimum inform	nation:				
Field La 20. Were		nation:	Yes			
Field La 20. Wer	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?	nation:	Yes			
Field La 20. Were	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?	nation:				
Field La 20. Wer Sample	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation		Yes No			
Field La 20. Wer Sample 21. Doe	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation rs the COC or field labels indicate the samples were pres		Yes No No			
Field La 20. Were Sample 21. Doe 22. Are	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation rs the COC or field labels indicate the samples were pres sample(s) correctly preserved?	erved?	Yes No NA			
Field La 20. Were Sample 21. Doe 22. Are 24. Is la	<ul> <li>e field sample labels filled out with the minimum inform Sample ID?</li> <li>Date/Time Collected?</li> <li>Collectors name?</li> <li>Preservation</li> <li>es the COC or field labels indicate the samples were press sample(s) correctly preserved?</li> <li>b filteration required and/or requested for dissolved meters</li> </ul>	erved?	Yes No No			
Field La 20. Werd Sample 21. Doc: 22. Are 24. Is la Multiph	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation so the COC or field labels indicate the samples were press sample(s) correctly preserved? ab filteration required and/or requested for dissolved met hase Sample Matrix	erved? als?	Yes No No NA No			
Field L: 20. Were <u>Sample</u> 21. Doe: 22. Are 24. Is la <u>Multiph</u> 26. Doe:	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation res the COC or field labels indicate the samples were press sample(s) correctly preserved? rest filteration required and/or requested for dissolved met hase Sample Matrix res the sample have more than one phase, i.e., multiphase	erved? als? ?	Yes No No No No			
Sample           21. Doe:           22. Are           24. Is la           Multiph           26. Doe:           27. If ye	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were press sample(s) correctly preserved? ab filteration required and/or requested for dissolved met hase Sample Matrix es the sample have more than one phase, i.e., multiphase es, does the COC specify which phase(s) is to be analyze	erved? als? ?	Yes No No NA No			
Sample           21. Doc:           22. Are           24. Is la           Multiph           26. Doce           27. If ye           Subcont	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were press sample(s) correctly preserved? ab filteration required and/or requested for dissolved met hase Sample Matrix es the sample have more than one phase, i.e., multiphase' es, does the COC specify which phase(s) is to be analyze (tract Laboratory	erved? als? ? cd?	Yes No NA No NA			
Sample           20. Were           20. Were           21. Doc:           22. Are           24. Is la           Multiph           26. Doc:           27. If yee           Subcom           28. Are	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were press sample(s) correctly preserved? ab filteration required and/or requested for dissolved met hase Sample Matrix es the sample have more than one phase, i.e., multiphase es, does the COC specify which phase(s) is to be analyze	erved? als? ed?	Yes No NA No No NA	contract Lab: na		

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



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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E208129

Job Number: 01058-0007

Received: 8/24/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/26/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/26/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E208129 Date Received: 8/24/2022 10:30:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/24/2022 10:30:00AM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 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.

**Raina Schwanz** 

Laboratory Administrator

rainaschwanz@envirotech-inc.com

Office: 505-632-1881

Respectfully,

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

Field Offices:

**Southern New Mexico Area** Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com West Texas Midland/Odessa Area Rayny Hagan

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

**Alexa Michaels** 

Sample Custody Officer

labadmin@envirotech-inc.com

Office: 505-632-1881

Envirotech Web Address: www.envirotech-inc.com



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QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample	Summary
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		Sample Sum	mai y		
Souder Miller Associates - Carlsbad		Project Name:	Seawolf 1-12 CTB 1		Reported:
201 S Halagueno St.		Project Number:	01058-0007		Keporteu.
Carlsbad NM, 88220		Project Manager:	Heather Woods		08/26/22 14:35
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH53 @ 0'	E208129-01A	Soil	08/22/22	08/24/22	Glass Jar, 2 oz.
BH53 @ 0.5'	E208129-02A	Soil	08/22/22	08/24/22	Glass Jar, 2 oz.
BH54 @ 0'	E208129-03A	Soil	08/22/22	08/24/22	Glass Jar, 2 oz.
BH55 @ 0'	E208129-04A	Soil	08/22/22	08/24/22	Glass Jar, 2 oz.
BH55 @ 0.5'	E208129-05A	Soil	08/22/22	08/24/22	Glass Jar, 2 oz.



	5	ampic D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		wolf 1-12 CTB 1 58-0007			Reported:
Carlsbad NM, 88220	Project Manag		ther Woods			8/26/2022 2:35:10PM
		BH53 @ 0'				
		E208129-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2235038
Benzene	ND	0.0250	1	08/24/22	08/24/22	
Ethylbenzene	ND	0.0250	1	08/24/22	08/24/22	
Foluene	ND	0.0250	1	08/24/22	08/24/22	
p-Xylene	ND	0.0250	1	08/24/22	08/24/22	
o,m-Xylene	ND	0.0500	1	08/24/22	08/24/22	
Fotal Xylenes	ND	0.0250	1	08/24/22	08/24/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2235038
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/24/22	08/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2235025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/22	08/24/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/22	08/24/22	
Surrogate: n-Nonane		91.3 %	50-200	08/24/22	08/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2235034
Chloride	338	20.0	1	08/24/22	08/24/22	

## Sample Data



	5	ample D	ala						
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1						
201 S Halagueno St.	Project Numbe	er: 0103	58-0007			Reported:			
Carlsbad NM, 88220 Project Manager: Heather Woods									
	F	BH53 @ 0.5'							
		E208129-02							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Batch: 2235038					
Benzene	ND	0.0250	1	08/24/22	08/24/22				
Ethylbenzene	ND	0.0250	1	08/24/22	08/24/22				
Toluene	ND	0.0250	1	08/24/22	08/24/22				
p-Xylene	ND	0.0250	1	08/24/22	08/24/22				
o,m-Xylene	ND	0.0500	1	08/24/22	08/24/22				
Fotal Xylenes	ND	0.0250	1	08/24/22	08/24/22				
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/24/22	08/24/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2235038			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/24/22	08/24/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	08/24/22	08/24/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2235025			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/22	08/24/22				
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/22	08/24/22				
Surrogate: n-Nonane		75.3 %	50-200	08/24/22	08/24/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2235034			
Chloride	45.9	20.0	1	08/24/22	08/24/22				



#### Sample Data

	Di	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Numbe	er: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			8/26/2022 2:35:10PM
		BH54 @ 0'				
		E208129-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2235038		
Benzene	ND	0.0250	1	08/24/22	08/24/22	
Ethylbenzene	ND	0.0250	1	08/24/22	08/24/22	
Foluene	ND	0.0250	1	08/24/22	08/24/22	
p-Xylene	ND	0.0250	1	08/24/22	08/24/22	
o,m-Xylene	ND	0.0500	1	08/24/22	08/24/22	
Fotal Xylenes	ND	0.0250	1	08/24/22	08/24/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2235038
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/24/22	08/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2235025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/22	08/24/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/22	08/24/22	
Surrogate: n-Nonane		71.0 %	50-200	08/24/22	08/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2235034
Chloride	ND	20.0	1	08/24/22	08/24/22	



### Sample Data

	50	mpic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0103	wolf 1-12 CTB 1 58-0007 ther Woods			<b>Reported:</b> 8/26/2022 2:35:10PM
	]	BH55 @ 0'				
	]	E208129-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2235038
Benzene	ND	0.0250	1	08/24/22	08/24/22	
Ethylbenzene	ND	0.0250	1	08/24/22	08/24/22	
Toluene	ND	0.0250	1	08/24/22	08/24/22	
p-Xylene	ND	0.0250	1	08/24/22	08/24/22	
o,m-Xylene	ND	0.0500	1	08/24/22	08/24/22	
Fotal Xylenes	ND	0.0250	1	08/24/22	08/24/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2235038
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/24/22	08/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2235025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/22	08/24/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/22	08/24/22	
Surrogate: n-Nonane		78.7 %	50-200	08/24/22	08/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2235034
Chloride	63.6	20.0	1	08/24/22	08/25/22	



	5	ampie D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	volf 1-12 CTB 1 58-0007 ther Woods			<b>Reported:</b> 8/26/2022 2:35:10PM
	E	BH55 @ 0.5'				
		E208129-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2235038		
Benzene	ND	0.0250	1	08/24/22	08/24/22	
Ethylbenzene	ND	0.0250	1	08/24/22	08/24/22	
Toluene	ND	0.0250	1	08/24/22	08/24/22	
o-Xylene	ND	0.0250	1	08/24/22	08/24/22	
o,m-Xylene	ND	0.0500	1	08/24/22	08/24/22	
Total Xylenes	ND	0.0250	1	08/24/22	08/24/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2235038
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/24/22	08/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	08/24/22	08/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2235025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/22	08/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/24/22	08/24/22	
Surrogate: n-Nonane		81.2 %	50-200	08/24/22	08/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2235034
Chloride	33.3	20.0	1	08/24/22	08/24/22	



# **QC Summary Data**

		<u> </u>		v					
Souder Miller Associates - Carlsbad		Project Name:	Se	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	01	1058-0007					reporteur
Carlsbad NM, 88220		Project Manager:	Н	eather Woods					8/26/2022 2:35:10PM
		Volatile Or	ganics b	by EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
, maryte	Result	Ĺimit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2235038-BLK1)							Prepared: 0	8/24/22	Analyzed: 08/24/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			
LCS (2235038-BS1)							Prepared: 0	8/24/22	Analyzed: 08/24/22
Benzene	4.57	0.0250	5.00		91.4	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.8	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.72	0.0250	5.00		94.5	70-130			
o,m-Xylene	9.30	0.0500	10.0		93.0	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			
Matrix Spike (2235038-MS1)				Source:	E208129-	02	Prepared: 0	8/24/22	Analyzed: 08/24/22
Benzene	4.55	0.0250	5.00	ND	90.9	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	61-133			
Toluene	4.65	0.0250	5.00	ND	93.1	61-130			
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131			
o,m-Xylene	9.20	0.0500	10.0	ND	92.0	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			
Matrix Spike Dup (2235038-MSD1)				Source:	E208129-	02	Prepared: 0	8/24/22	Analyzed: 08/24/22
Benzene	4.57	0.0250	5.00	ND	91.3	54-133	0.472	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	0.510	20	
	4.67	0.0250	5.00	ND	93.5	61-130	0.445	20	
Toluene						(2,121	0 712	20	
Ioluene p-Xylene	4.69	0.0250	5.00	ND	93.7	63-131	0.713	20	
	4.69 9.25	0.0250 0.0500	5.00 10.0	ND ND	93.7 92.5	63-131	0.713	20	
p-Xylene									



# **QC Summary Data**

		<b>L</b> = 10	-		-				
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:	-	eawolf 1-12 C 1058-0007	TB 1				Reported:
Carlsbad NM, 88220		Project Manager:	H	Heather Woods					8/26/2022 2:35:10PM
	No	nhalogenated O	rganics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2235038-BLK1)							Prepared: 0	8/24/22 A	analyzed: 08/24/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			
LCS (2235038-BS2)							Prepared: 0	8/24/22 A	analyzed: 08/24/22
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2235038-MS2)				Source:	E208129-	02	Prepared: 0	8/24/22 A	analyzed: 08/24/22
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			
Matrix Spike Dup (2235038-MSD2)				Source:	E208129-	02	Prepared: 0	8/24/22 A	analyzed: 08/24/22
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130	4.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			



## **QC Summary Data**

Nonhalogenated Organics by EPA 8015D - DRO/ORO         Analyst: JL           Analyte         Result mg/kg         Spike Level Result mg/kg         Rec Limits RPD Limit ROUL         RPD Limit ROUL           Blank (2235025-BLK1)         Prepared: 08/23/22 Analyzed: 08/24/22         Diesel Range Organics (C10-C28)         ND         25.0           Surrogate: n-Nonane         40.7         50.0         81.5         50-200           LCS (2235025-BS1)         Prepared: 08/23/22 Analyzed: 08/24/22           Diesel Range Organics (C10-C28)         ND         25.0           Surrogate: n-Nonane         40.7         50.0         81.5         50-200           LCS (2235025-BS1)         Prepared: 08/23/22 Analyzed: 08/24/22         Prepared: 08/23/22 Analyzed: 08/24/22           Diesel Range Organics (C10-C28)         222         25.0         250         88.8         38-132           Surrogate: n-Nonane         35.7         50.0         71.4         30-20         Prepared: 08/23/22 Analyzed: 08/24/22           Diesel Range Organics (C10-C28)         8930         1250         250         8760         67.9         38-132           Surrogate: n-Nonane         46.1         50.0         92.3         50-200         Prepared: 08/23/22 Analyzed: 08/24/22           Diesel Range Organics (C10-C28)         8930			QU D		ary Date					
AnalyteResult mg/kgReporting mg/kgSource mg/kgRec mg/kgRec Result mg/kgRec kgRPD kimit kgRPD kimitRPD kimitBlank (2235025-BLK1)ND 25.025.0Prepared: $08/23/22$ Analyzed: $08/24/22$ Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)ND 50.050.0 $81.5$ $50-200$ LCS (2235025-BS1)Prepared: $08/23/22$ Analyzed: $08/24/22$ Diesel Range Organics (C10-C28) Surrogate: n-Nonane22225.025088.8 $38-132$ LCS (2235025-BS1)Prepared: $08/23/22$ Analyzed: $08/24/22$ Diesel Range Organics (C10-C28)22225.025088.8 $38-132$ Matrix Spike (2235025-MS1)Source: E208123-03Prepared: $08/23/22$ Analyzed: $08/24/22$ Diesel Range Organics (C10-C28)89301250250876067.9 $38-132$ Matrix Spike Dup (2235025-MSD1)Source: E208123-03Prepared: $08/23/22$ Analyzed: $08/24/22$ Diesel Range Organics (C10-C28)926012502508760201 $38-132$	201 S Halagueno St.		Project Number:	0	1058-0007	TB 1				<b>Reported:</b> 8/26/2022 2:35:10PM
Analyte       Limits       Limits       Level mg/kg       Result mg/kg       Limits mg/kg       Result mg/kg       Result mg/kg		Nonha	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Diesel Range Organics (C10-C28)       ND       25.0         0il Range Organics (C28-C36)       ND       50.0         Surrogate: n-Nonane       40.7       50.0       81.5       50-200         LCS (2235025-BS1)       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       222       25.0       250       88.8       38-132         Surrogate: n-Nonane       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       92.3       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       92.3       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (	Analyte		Ĺimit	Level	Result		Limits		Limit	Notes
Difference (C10 C10)       ND       50.0         Surrogate: n-Nonane       40.7       50.0       81.5       50-200         LCS (2235025-BS1)       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       222       25.0       250       88.8       38-132         Surrogate: n-Nonane       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       92.0       9260       1250       250       8760       201       38-132         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	Blank (2235025-BLK1)							Prepared: 0	8/23/22 A	Analyzed: 08/24/22
Surrogate: n-Nonane       40.7       50.0       81.5       50-200         LCS (2235025-BS1)       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       222       25.0       250       88.8       38-132         Surrogate: n-Nonane       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       Prepared: 08/23/22       Analyzed: 08/24/22         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4			25.0							
LCS (2235025-BS1)       Prepared: 08/23/22 Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       222       25.0       250       88.8       38-132         Surrogate: n-Nonane       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22 Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22 Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	Oil Range Organics (C28-C36)	ND	50.0							
Diesel Range Organics (C10-C28)       222       25.0       250       88.8       38-132         Diesel Range Organics (C10-C28)       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	Surrogate: n-Nonane	40.7		50.0		81.5	50-200			
Surrogate: n-Nonane       35.7       50.0       71.4       50-200         Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	LCS (2235025-BS1)							Prepared: 0	8/23/22 A	Analyzed: 08/24/22
Matrix Spike (2235025-MS1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	Diesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
Diesel Range Organics (C10-C28)       8930       1250       250       8760       67.9       38-132         Surrogate: n-Nonane       46.1       50.0       92.3       50-200         Matrix Spike Dup (2235025-MSD1)       Source: E208123-03       Prepared: 08/23/22       Analyzed: 08/24/22         Diesel Range Organics (C10-C28)       9260       1250       250       8760       201       38-132       3.67       20       M4	Surrogate: n-Nonane	35.7		50.0		71.4	50-200			
Surrogate: n-Nonane     46.1     50.0     92.3     50-200       Matrix Spike Dup (2235025-MSD1)     Source: E208123-03     Prepared: 08/23/22     Analyzed: 08/24/22       Diesel Range Organics (C10-C28)     9260     1250     250     8760     201     38-132     3.67     20     M4	Matrix Spike (2235025-MS1)				Source:	E208123-	03	Prepared: 0	8/23/22 A	Analyzed: 08/24/22
Matrix Spike Dup (2235025-MSD1)         Source: E208123-03         Prepared: 08/23/22         Analyzed: 08/24/22           Diesel Range Organics (C10-C28)         9260         1250         250         8760         201         38-132         3.67         20         M4	Diesel Range Organics (C10-C28)	8930	1250	250	8760	67.9	38-132			
Diesel Range Organics (C10-C28) 9260 1250 250 8760 201 38-132 3.67 20 M4	Surrogate: n-Nonane	46.1		50.0		92.3	50-200			
	Matrix Spike Dup (2235025-MSD1)				Source:	E208123-	03	Prepared: 0	8/23/22 A	Analyzed: 08/24/22
Surrogate: n-Nonane 46.1 50.0 92.2 50-200	Diesel Range Organics (C10-C28)	9260	1250	250	8760	201	38-132	3.67	20	M4
	Surrogate: n-Nonane	46.1		50.0		92.2	50-200			



### **QC Summary Data**

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	Seawolf 1-12 C 01058-0007 Heather Woods	TB 1				<b>Reported:</b> 8/26/2022 2:35:10PM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	
Blank (2235034-BLK1)							Prepared: 08	8/24/22	Analyzed: 08/24/22
Chloride LCS (2235034-BS1)	ND	20.0					Prepared: 08	8/24/22	Analyzed: 08/24/22
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2235034-BSD1)							Prepared: 08	8/24/22	Analyzed: 08/24/22
Chloride	252	20.0	250		101	90-110	1.21	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.



	Deminion	5 and 1 (oves	
Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	08/26/22 14:35

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Received b	
by OCD:	
1/24/202.	
3 1:57:4	
7 PM	

Page

oject Information	Chain of Custody										Page of
	Bill To			Lab	Use Or	nly .	(a.	TA	1252	RCRA	CWA SDWA
lient: Saudur Miller & Associates	Attention: Attention	Lab V	VO#	n X	dol 1	Numb	m	1D :	30	HUNA	
roject: Sawolf FIZ and	Address:	PE	$\chi U$	ora	Ana	lysis an	d Metho	d b	/21		State
lient: Sadur Miller Houte	City, State, Zip Phone: Email: WOH 2098 730 2	DIRO/ORO by 8015	GRO/DRO by 8015	v 8021	8260	Chloride 300.0		BGDOC - NM	×1.0		
Time Date Matrix Containers Sample ID	Lab Number		GRO/D	BTEX by 8021	VOC. by 8260 Metals 6010	Chlorit		BGDC	BGDOC - 1X		Remarks
Sampled Sampled	3200'		8					X	-		
0921 8/22/22 Soil 1 BHS	320.5 2							X		++	i
0922 8/22/22 SOIL 1 BHS	420' 3						1	X	-		
0934 8122/22 501 1 0113 0945 8/22/22 501 1 B775	520' 4						1-1-	X		++	
8/22/22 SOL 1 BHS	-5a0.5' 5						$\downarrow$	X	-	++	
0952 8/22/22/501 ( 1543						-		-	-		
			1	-			++		+		
			-						+	+	
			_						+		
					5			11		DA	w Woods
Additional Instructions:	an aware that tangering with or intentionally mislabelling the sample location, date	e hr	ma	y	)x	Samples te	couring therm	al preserval	toc ausi	t be received :	on ice the day, they are sampled or n é 'C on subsequent days
, (field sampler), attest to the validity and authenticity of this sample. time of collection is considered fraud and may be grounds for lega: act	on. Sampled by:	W		me		rezeised p				o Use O	
Refinguished by: (Signature)	Time Received by Gigina Cert	750	2	- ()( me	$n \cap$	Recei	ved on	ice:	Ø.	/ N	
Belinguished by: (Signature) Date	Time Received by: (Stenature) At Bit	4/2	21	0:3	5D	T1			<u>T2</u>		<u>T3</u>
XON LONV NADO			1.0			1		//			
Reinquishet byl (Signature) Date	Time     Received by: (Signature)     Date       Other						Temp <sup>°</sup> astic, ag	1 .	r elas	s. v - VO	A



#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

uctions: Please take note of any NO checkmarks.		Checklist (SRC)		
e receive no response concerning these items within 24 hours of the date of th		<u> </u>	s requested.	
lient: Souder Miller Associates - Carlsbad Date Receiv			Work Order ID:	E208129
hone: (575) 200-5443 Date Logge			Logged In By:	Caitlin Christian
mail: Due Date:	08/26/22	17:00 (2 day TAT)		
hain of Custody (COC)				
Does the sample ID match the COC?	Yes			
Does the number of samples per sampling site location match the COC	Yes			
Were samples dropped off by client or carrier?	Yes	Carrier: UPS		
Was the COC complete, i.e., signatures, dates/times, requested analyse	s? Yes			
Were all samples received within holding time?	Yes			
Note: Analysis, such as pH which should be conducted in the field,			Commen	ts/Resolution
i.e, 15 minute hold time, are not included in this disucssion.			Common	
ample Turn Around Time (TAT) Did the COC indicate standard TAT, or Expedited TAT?	Yes			
	105			
ample Cooler	Vac			
Was a sample cooler received? If yes, was cooler received in good condition?	Yes			
	Yes			
Was the sample(s) received intact, i.e., not broken?	Yes			
0. Were custody/security seals present?	No			
1. If yes, were custody/security seals intact?	NA			
<ol> <li>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 minutes of sampling</li> <li>If no visible ice, record the temperature. Actual sample temperature</li> </ol>				
	c. <u>+ C</u>			
ample Container	ЪT			
4. Are aqueous VOC samples present?	No NA			
5. Are VOC samples collected in VOA Vials?	NA			
6. Is the head space less than 6-8 mm (pea sized or less)?				
7. Was a trip blank (TB) included for VOC analyses?	NA			
8. Are non-VOC samples collected in the correct containers?	Yes			
<ol> <li>Is the appropriate volume/weight or number of sample containers collected</li> </ol>	d? Yes			
ield Label				
0. Were field sample labels filled out with the minimum information: Sample ID?	Yes			
Date/Time Collected?	Yes			
Collectors name?	No			
ample Preservation				
1. Does the COC or field labels indicate the samples were preserved?	No			
2. Are sample(s) correctly preserved?	NA			
4. Is lab filteration required and/or requested for dissolved metals?	No			
Iultiphase Sample Matrix				
6. Does the sample have more than one phase, i.e., multiphase?	No			
7. If yes, does the COC specify which phase(s) is to be analyzed?	NA			
ubcontract Laboratory				
	No			
<ul><li>8. Are samples required to get sent to a subcontract laboratory?</li><li>9. Was a subcontract laboratory specified by the client and if so who?</li></ul>	No NA	Subcontract Lab: na		

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf CTB 1-12

Work Order: E208187

Job Number: 01058-0007

Received: 9/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/2/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/2/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf CTB 1-12 Workorder: E208187 Date Received: 9/1/2022 10:30:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2022 10:30:00AM, under the Project Name: Seawolf CTB 1-12.

The analytical test results summarized in this report with the Project Name: Seawolf CTB 1-12 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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

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

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

Envirotech Web Address: www.envirotech-inc.com



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#### **Sample Summary**

		Sample Sum	mary		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Seawolf CTB 1-12 01058-0007 Heather Woods		<b>Reported:</b> 09/02/22 12:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
VRE01	E208187-01A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE02	E208187-02A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE03	E208187-03A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE04	E208187-04A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE05	E208187-05A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE06	E208187-06A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE07	E208187-07A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE08	E208187-08A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE09	E208187-09A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE10	E208187-10A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE11	E208187-11A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
NRE12	E208187-12A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
IRE13	E208187-13A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
JRE14	E208187-14A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
IRE15	E208187-15A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
VRE16	E208187-16A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS01 @ 1	E208187-17A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS02 @ 1	E208187-18A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS03 @ 1	E208187-19A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS04 @ 1	E208187-20A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS05 @ 1	E208187-21A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS06 @ 0	E208187-22A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS06 @ 8"	E208187-23A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS07 @ 0	E208187-24A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS07 @ 8"	E208187-25A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS08 @ 0	E208187-26A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.
AS08 @ 6"	E208187-27A	Soil	08/30/22	09/01/22	Amber Glass Jar, 4 oz.



		imple D				
Souder Miller Associates - Carlsbad	Project Name:		volf CTB 1-12	2		
201 S Halagueno St.	Project Numbe	er: 0103	01058-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods			9/2/2022 12:28:33PM
		NRE01				
		E208187-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2236054
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/01/22	09/01/22	
Surrogate: Toluene-d8		97.1 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/01/22	09/01/22	
Surrogate: Toluene-d8		97.1 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		77.5 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2236043
Chloride	15300	400	20	08/31/22	09/01/22	

### Sample Data



	S	Sample D	ata				
Souder Miller Associates - Carlsbad		roject Name: Seawolf CTB 1-12					
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Heat	ther Woods	8			9/2/2022 12:28:33PM
		NRE02					
		E208187-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		76.2 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	15900	400	2	20	08/31/22	09/01/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	ject Name: Seawolf CTB 1-12					
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Hea	ther Woods	8			9/2/2022 12:28:33PM
		NRE03					
		E208187-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		97.3 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	9800	400	2	20	08/31/22	09/01/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name						
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Heat	ther Wood	s			9/2/2022 12:28:33PM
		NRE04					
		E208187-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		85.9 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236043
Chloride	1740	40.0		2	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad	Project Name:	Seav	volf CTB 1	1-12			
201 S Halagueno St.	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Heat	ther Woods	3			9/2/2022 12:28:33PM
		NRE05					
	]	E208187-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/01/22	09/01/22	
urrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		100 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	10300	400	2	20	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad	Project Name	: Seav	volf CTB 1	-12			
201 S Halagueno St.	Project Numb	oer: 0105	01058-0007				Reported:
Carlsbad NM, 88220	Project Mana	ger: Heat	ther Woods				9/2/2022 12:28:33PM
		NRE06					
		E208187-06					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Fotal Xylenes	ND	0.0250	1	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		103 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		103 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	:	1	08/31/22	09/01/22	
Surrogate: n-Nonane		101 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	6740	200	1	0	08/31/22	09/01/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name:Seawolf CTB 1-12Project Number:01058-0007					Reported:	
Carlsbad NM, 88220	Project Mana	ager: Hea	ther Woods				9/2/2022 12:28:33PM
		NRE07					
		E208187-07					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250	1	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		104 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		104 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	116	25.0	1	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	58.4	50.0	1	1	08/31/22	09/01/22	
Surrogate: n-Nonane		102 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	18700	400	2	0	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad	Project Name:	: Seav	volf CTB 1	-12			
201 S Halagueno St.	Project Numb		01058-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Heat	ther Woods				9/2/2022 12:28:33PM
		NRE08					
		E208187-08					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	IY		Batch: 2236054
Benzene	ND	0.0250	1	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	l	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		103 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		103 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		09/01/22	09/01/22	
urrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	IL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	1	I	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	1	08/31/22	09/01/22	
Surrogate: n-Nonane		90.7 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2236043
Chloride	15700	400	2	0	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad	Project Name:		volf CTB 1	1-12			
201 S Halagueno St.	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods	8			9/2/2022 12:28:33PM
		NRE09					
	-	E208187-09					
		Reporting					
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
p-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Fotal Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		102 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		98.8 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	17700	400	2	20	08/31/22	09/01/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name		volf CTB 1-				
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Hea	ther Woods				9/2/2022 12:28:33PM
		NRE10					
		E208187-10					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2236054
Benzene	ND	0.0250	1	l	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	l	09/01/22	09/01/22	
Toluene	ND	0.0250	1	l	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	l	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	l	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	l	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		101 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		101 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	1	l	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/31/22	09/01/22	
Surrogate: n-Nonane		90.4 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	S		Batch: 2236043
Chloride	9640	400	20	0	08/31/22	09/01/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad	Project Name		volf CTB 1				
201 S Halagueno St.	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	iger: Heat	her Woods				9/2/2022 12:28:33PM
		NRE11					
		E208187-11					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250	1	l	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	l	09/01/22	09/01/22	
Toluene	ND	0.0250	1	l	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	l	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	l	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	l	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		103 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		103 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/31/22	09/01/22	
Surrogate: n-Nonane		80.9 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	6350	200	1	0	08/31/22	09/01/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	er: 0105	volf CTB 1 58-0007 ther Woods				<b>Reported:</b> 9/2/2022 12:28:33PM
		NRE12					
		E208187-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		101 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		101 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		96.3 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	32600	2000	1	00	08/31/22	09/01/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numl		volf CTB 58-0007	1-12			Reported:
Carlsbad NM, 88220	Project Mana	iger: Heat	ther Wood	s			9/2/2022 12:28:33PM
		NRE13					
		E208187-13					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		104 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		104 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		94.3 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236043
Chloride	1430	40.0		2	08/31/22	09/01/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 0105	volf CTB 58-0007 ther Woods				<b>Reported:</b> 9/2/2022 12:28:33PM
	5	NRE14					
		E208187-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		104 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	19500	400		20	08/31/22	09/01/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0105	volf CTB 1- 58-0007 ther Woods	12		<b>Reported:</b> 9/2/2022 12:28:33PM
		NRE15				
		E208187-15				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236054
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.1 %	70-130	09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	09/01/22	09/01/22	
Surrogate: Toluene-d8		98.2 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.1 %	70-130	09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	09/01/22	09/01/22	
Surrogate: Toluene-d8		98.2 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		83.6 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236043
Chloride	7500	200	10	08/31/22	09/01/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 0105	volf CTB 58-0007 ther Woods				<b>Reported:</b> 9/2/2022 12:28:33PM
Cansuad NM, 60220		-		<u> </u>			)/2/2022 12:20:331 W
		NRE16 E208187-16					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		87.2 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	13100	400		20	08/31/22	09/01/22	



### Sample Data

		imple D	uu				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	volf CTB 1 58-0007 ther Woods				<b>Reported:</b> 9/2/2022 12:28:33PM
		AS01 @ 1					
		E208187-17					
Analyte	Result	Reporting Limit	Dib	ition	Prepared	Analyzed	Notes
Anaryte						Analyzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
p-Xylene	ND	0.0250		1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		96.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	7		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		96.0 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0	:	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	i	1	08/31/22	09/01/22	
Surrogate: n-Nonane		84.9 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2236043
Chloride	2870	400	2	0	08/31/22	09/01/22	



# Sample Data

	~•	impic D					
Souder Miller Associates - Carlsbad	Project Name:		wolf CTB 1	-12			
201 S Halagueno St.	Project Numbe		58-0007				<b>Reported:</b> 9/2/2022 12:28:33PM
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods				9/2/2022 12:28:33PM
		AS02 @ 1					
		E208187-18					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
p-Xylene	ND	0.0250		1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		92.1 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		92.1 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		97.0 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	8170	200	1	0	08/31/22	09/01/22	



### Sample Data

		impic D	uu				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0105	volf CTB 58-0007 ther Woods				<b>Reported:</b> 9/2/2022 12:28:33PM
		AS03 @ 1 E208187-19					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analy		IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
p-Xylene	ND	0.0250		1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		104 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	1630	20.0		1	08/31/22	09/01/22	



# Sample Data

		impic D					
Souder Miller Associates - Carlsbad	Project Name:		volf CTB	1-12			
201 S Halagueno St.	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Heat	ther Woods	8			9/2/2022 12:28:33PM
		AS04 @ 1					
	-	E208187-20					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		IY		Batch: 2236054
Benzene	ND	0.0250		1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250		1	09/01/22	09/01/22	
Toluene	ND	0.0250		1	09/01/22	09/01/22	
o-Xylene	ND	0.0250		1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500		1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
Surrogate: Toluene-d8		99.2 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analys		IY		Batch: 2236054
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/01/22	09/01/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		09/01/22	09/01/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/01/22	09/01/22	
urrogate: Toluene-d8		99.2 %	70-130		09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2236042
Diesel Range Organics (C10-C28)	ND	25.0		1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/31/22	09/01/22	
Surrogate: n-Nonane		91.1 %	50-200		08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236043
Chloride	1790	20.0		1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad	Project Name:	Seav	volf CTB 1-12			
201 S Halagueno St.	Project Numbe	r: 010:	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			9/2/2022 12:28:33PM
		AS05 @ 1				
	]	E208187-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Fotal Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		103 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2236045
Chloride	946	20.0	1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	wolf CTB 1-12 58-0007 ther Woods			<b>Reported:</b> 9/2/2022 12:28:33PM
Califord IVV, 00220	Tiojeet Manag		ther woods			<i>5,2,2022</i> 12.20.331 M
		AS06 @ 0				
		E208187-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		98.8 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2236045
Chloride	144	20.0	1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Number Project Manage	r: 010:	wolf CTB 1-12 58-0007 ther Woods			<b>Reported:</b> 9/2/2022 12:28:33PM
	A	AS06 @ 8''				
	l	E208187-23				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Fotal Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		108 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2236045
Chloride	57.2	20.0	1	08/31/22	09/01/22	

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010	wolf CTB 1-12 58-0007 ther Woods			<b>Reported:</b> 9/2/2022 12:28:33PM
		AS07 @ 0				
		E208187-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	/kg Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		94.4 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2236045
Chloride	64.8	20.0	1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Number Project Manage	r: 010:	volf CTB 1-12 58-0007 ther Woods			<b>Reported:</b> 9/2/2022 12:28:33PM
	A	AS07 @ 8''				
	l	E208187-25				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
p-Xylene	ND	0.0250	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		106 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2236045
Chloride	41.6	20.0	1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Number Project Manage	r: 010:	volf CTB 1-12 58-0007 ther Woods			<b>Reported:</b> 9/2/2022 12:28:33PM
		AS08 @ 0				
	l	E208187-26				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
o,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Fotal Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		109 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2236045
Chloride	523	20.0	1	08/31/22	09/01/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		wolf CTB 1-12 58-0007			Reported:
Carlsbad NM, 88220	Project Manage		ther Woods			9/2/2022 12:28:33PM
	l	AS08 @ 6''				
	]	E208187-27				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2236049
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
oluene	ND	0.0250	1	09/01/22	09/01/22	
-Xylene	ND	0.0250	1	09/01/22	09/01/22	
,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2236049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2236044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		107 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2236045
Chloride	398	20.0	1	08/31/22	09/01/22	

# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	S	Seawolf CTB 1-1	2				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	H	Heather Woods					9/2/2022 12:28:33PM
	Ţ	Volatile Organic	Compo	ounds by EPA	A 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236054-BLK1)						I	Prepared: 0	8/31/22 Ar	alyzed: 09/01/22
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			
LCS (2236054-BS1)						I	Prepared: 0	8/31/22 Ar	alyzed: 09/01/22
Benzene	2.47	0.0250	2.50		98.8	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.56	0.0250	2.50		102	70-130			
p,m-Xylene	5.00	0.0500	5.00		100	70-130			
Total Xylenes	7.56	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			
LCS Dup (2236054-BSD1)						Ι	Prepared: 0	8/31/22 Ar	alyzed: 09/01/22
Benzene	2.36	0.0250	2.50		94.4	70-130	4.47	23	
Ethylbenzene	2.44	0.0250	2.50		97.5	70-130	3.67	27	
Toluene	2.26	0.0250	2.50		90.2	70-130	4.59	24	
o-Xylene	2.47	0.0250	2.50		98.9	70-130	3.46	27	
p,m-Xylene	4.82	0.0500	5.00		96.3	70-130	3.74	27	
	7.29	0.0250	7.50		97.2	70-130	3.64	27	
lotal Xylenes									
•	0.512		0.500		102	70-130			
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.512 0.503		0.500 0.500		102 101	70-130 70-130			



# **QC Summary Data**

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	eawolf CTB 1- 1058-0007 eather Woods	12				<b>Reported:</b> 9/2/2022 12:28:33PM		
	Volatile Organics by EPA 8021B								Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
	iiig/kg	ilig/kg	iiig/kg	iiig/kg	70	70	70	70	Indies		
Blank (2236049-BLK1)				]	Prepared: 0	8/31/22 A	analyzed: 08/31/22				
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.6	70-130					
LCS (2236049-BS1)						]	Prepared: 0	8/31/22 A	analyzed: 08/31/22		
Benzene	5.20	0.0250	5.00		104	70-130					
Ethylbenzene	5.44	0.0250	5.00		109	70-130					
Toluene	5.48	0.0250	5.00		110	70-130					
o-Xylene	5.40	0.0250	5.00		108	70-130					
p,m-Xylene	11.0	0.0500	10.0		110	70-130					
Total Xylenes	16.4	0.0250	15.0		109	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130					
LCS Dup (2236049-BSD1)						]	Prepared: 0	8/31/22 A	analyzed: 08/31/22		
Benzene	5.05	0.0250	5.00		101	70-130	2.88	20			
Ethylbenzene	5.29	0.0250	5.00		106	70-130	2.87	20			
Toluene	5.33	0.0250	5.00		107	70-130	2.85	20			
o-Xylene	5.25	0.0250	5.00		105	70-130	2.78	20			
p,m-Xylene	10.6	0.0500	10.0		106	70-130	2.94	20			
Total Xylenes	15.9	0.0250	15.0		106	70-130	2.89	20			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130					



# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	Se	eawolf CTB 1-1	2				Reported:
201 S Halagueno St.		Project Number:	01	1058-0007					
Carlsbad NM, 88220		Project Manager:	Н	eather Woods					9/2/2022 12:28:33PM
	No	onhalogenated (	Organics	by EPA 8015	SD - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236049-BLK1)							Prepared: 0	8/31/22	Analyzed: 08/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
LCS (2236049-BS2)							Prepared: 0	8/31/22	Analyzed: 08/31/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
							Prepared: 0	8/31/22	Analyzed: 09/01/22
LCS Dup (2236049-BSD2)									•
LCS Dup (2236049-BSD2) Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130	1.66	20	



### **QC Summary Data**

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	eawolf CTB 1- 1058-0007 Ieather Woods	12				<b>Reported:</b> 9/2/2022 12:28:33PM
	No	onhalogenated O	rganics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236054-BLK1)							Prepared: 0	8/31/22 A	nalyzed: 09/01/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			
LCS (2236054-BS2)							Prepared: 0	8/31/22 A	nalyzed: 09/01/22
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		87.9	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
LCS Dup (2236054-BSD2)							Prepared: 0	8/31/22 A	nalyzed: 09/01/22
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130	1.47	20	
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			



# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	S	eawolf CTB 1-1	2				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	: Н	eather Woods					9/2/2022 12:28:33PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236042-BLK1)							Prepared: 08	8/31/22 A	analyzed: 08/31/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			
LCS (2236042-BS1)							Prepared: 08	8/31/22 A	analyzed: 08/31/22
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			
LCS Dup (2236042-BSD1)							Prepared: 08	8/31/22 A	analyzed: 08/31/22
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132	7.37	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



# **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	S	Seawolf CTB 1-1	2				Reported:
201 S Halagueno St.		Project Number:	0	01058-0007					
Carlsbad NM, 88220		Project Manager:	: H	Heather Woods					9/2/2022 12:28:33PM
	Nonh	alogenated Org	ganics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236044-BLK1)							Prepared: 0	8/31/22 A	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.3		50.0		113	50-200			
LCS (2236044-BS1)							Prepared: 0	8/31/22 A	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	246	25.0				38-132			
Surrogate: n-Nonane	52.6		50.0		105	50-200			
LCS Dup (2236044-BSD1)							Prepared: 0	8/31/22 A	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	248	25.0				38-132	0.959	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			

envirotech Inc.
## **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	S	eawolf CTB 1	-12				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	Н	leather Woods					9/2/2022 12:28:33PM
		Anions	by EPA	300.0/90564	۸				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236043-BLK1)							Prepared: 08	8/31/22 A	Analyzed: 09/01/22
Chloride	ND	20.0							
LCS (2236043-BS1)							Prepared: 08	8/31/22 A	Analyzed: 09/01/22
hloride	248	20.0	250		99.1	90-110			
LCS Dup (2236043-BSD1)							Prepared: 08	8/31/22 A	Analyzed: 09/01/22
Chloride	248	20.0	250		99.1	90-110	0.0218	20	



## **QC Summary Data**

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Seawolf CTB 1- 01058-0007	-12				Reported:
Carlsbad NM, 88220		Project Manager:	ł	Heather Woods					9/2/2022 12:28:33PM
		Anions	by EPA	300.0/9056A	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236045-BLK1)							Prepared: 08	8/31/22 <i>A</i>	Analyzed: 09/02/22
Chloride	ND	20.0							
LCS (2236045-BS1)							Prepared: 08	8/31/22 A	Analyzed: 09/02/22
Chloride	271	20.0	250		108	90-110			
LCS Dup (2236045-BSD1)							Prepared: 08	8/31/22 A	Analyzed: 09/02/22
Chloride	249	20.0	250		99.6	90-110	8.45	20	

QC Summary Report Comment:

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



## **Definitions and Notes**

	_ • • • • • • • • • •		
Souder Miller Associates - Carlsbad	Project Name:	Seawolf CTB 1-12	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/02/22 12:28

ND Analyte NOT DETECTED at or above the reporting limit
---

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



ect Information	Chain of Custody										Page of
int: Souder Millerg Associates Attention: D	Bill To		_	Lab U:	Job N	S&C	er 2007 J Nietho	TA 1D X		EI RCRA	PA Program CWA SDWA State
dress: 201     5     Halabus C     Phone:       v, State, Zip CAP (SOUC) NM 88770     Phone:     Email:       nail:     WO #	10987302 Lab	ANO/ORO by 8015	GRO/DRO by 8015	11 EX BY 8021 VOC. by 8260	Metals 6010	Chioride 300.0		BGDOC - NM	8GD0C - 1X		NM CO UT AZ
Time Date Matrix Ne Containers Sample ID	Number	XICI	GR		W	Ğ		X	08		
1906 830/22 Soil 1 NREO1 1908 8/30/22 Soil 1 NREO2	2							X			
909 83025011 1 NRE03	3						┝╌┼╴	X X		┝╌┼╌	
2910 830/22 5011 1 NREDH	5	+						X			
0912830225011 1 NRE06	6			-			$\left  \right $	<u>х</u> х	+	++	
0915 83022 501 1 NRE07	8	+				+	┼┼		+		
0916 8302501 1 NREO8	9							2	+-		
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	an may Schlea		<u>elv</u>	alci			ADD united there at a	A montained to	200	be recented 27	see the day they are sampled a 5 °C on subsequent days
Relinguished by: (Signature) Date Time Receip	WEERMAN 85	<u>.</u> 7-2	ΗŻ	1. P	2	Receiv	ved on i	ce:		Use On N	ly
Residentist of Signature And Signature States	by Signature Date 2011 by: (Signature) Date Date	1./2 CC	2 <u>//</u> Tirr	). Ö	0	<u>11</u>		1	2_ L		<u>T3</u>
Reinquished by: (Signature) ( Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements Note: Samples are discarded 30 days after results are reported unless other arrangements			vpe: g	- glass,			femp <sup>e</sup> C stic, ag -		glass	i, v - VOA	

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Chain of Cu	stody										Page 2 of 3
Project Information Bill To Bill To		Lab V	NO∰	_	Use Jo	h Nur	nber	1D 3		EP	A Program CWA SDWA
Project:       Schwolf       Modes         Project:       Manager:       Modes         Project:       Manager:       Modes         Address:       201       Schwarz         Address:       201       Schwarz         Address:       201       Schwarz         City, State, Zip       Phone:         City, State, Zip       Email:		$\vdash$				alysis	and A'eth				State NM CO UT AZ X TX OK
imail:     W0 # 2098 130 a       Report due by:     Ne       Time     Date       Matrix     Ne       Containers     Sample ID	Lab Number	1)NO/ONO PA BUIS	GRO/ORO by 8015	RTEX by 8021	VOC. by 8260	Metals 6010 Chicade 300 0		BGDOC • NM	8GDUC - 1X		Remarks
0919 8/30/22 SOIL I NREII	11						+	X			
0920 830/225011 1 NRE12 0921 8/30/225011 1 NRE13	13					-+-		X			
0922830/225011 1 NRE14	14							X X			
0923 8/30/22 5011 1 NRE15 0924 85022 5011 1 NRE16	10						-	X			
0950 8/30/22 Soil 1 ASOL @1 0955 8/30/22 Soil 1 ASOZ @1	18							X		++	
1002 830225011 1 ASO3 @ 1	19 21	>									
Additional Instructions: PIPASE Server to the validity and authenticity of this samela. Tam aware that tampering with adjunction of the sample (field sampler), attest to the validity and authenticity of this samela. Tam aware that tampering with adjunction of the sample	beation. date	ل <u>م</u>	4 (	21	DY	AU	ann is requiring ther id packed in Ke			merecented or but less than if	ke the day they are sampled = 'C an subsequent days
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ony to those samples received of methods	43 of 45					•					

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Chain of Custody

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W0 # 20987302		080/080 by 8015	GRO/DRO by BU15	RTEX by 8021	VOC. by 8260	Metals 6010	Chiotule 300.0		BGDOC • NM	8GD/C - 1X			
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33 8/30/22 SOIL 1 AS 08 QD		_	+	+-	+	1-	+		Π,				
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Iditional Instructions: Dease Send to Heather Woods, Sarahmay	rhle	a	d.	لذا	eor	<u>X</u>	ann		1	110 201	ct be "ê((#/(\$) 7)	JERCHE TRI AND	are sampled :
DEASE Served to HEATHER WOODS, Suffering with an intentionally middle is many field sampler, attest to the validity and authenticity of this sample. I am aware that tantoering with an intentionally middle is many field sampler.	e bestion, date	. <b>D</b> f		-		<b>1</b>	caused pack	ed in ice at	an avgten	ns apove	eObut less than	é 'C pe subsequ	ent davs
field sampler), strest to the validity and authenticity of this sample. To the sampled av:						_					b Use On		
me of sotie coon is considered fraud and may be grounds for legal action. Sampled by:	Pere	11	7\ <sup> T</sup>	ime	11/	1	<ul> <li>.</li> </ul>				/ N	.,	
eliaquished by: (signature) (8/30/22/4:20 (000)	03	10	21	9	15	2₽	leceiv	ed on i	ce:	I	, N		
Date Time (Redeived by: (Signature)	Date		n n	Fine	'					T2		Т3	
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Reinquished by: ISgnature)						_		emp <sup>°</sup>		or elas	55. V - VOA		
Sample Matrix: S - Sol. Sd - Solid, Sg - Sludge. A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hatardous samples w Note: Samples are discarded to the laboratory with this COC. The liability of the laboratory is limited to the amount pair	Cont	ainer 1	Type:	<u>g · g</u>	lass, p	1 - po	iv/plas	ense Th	a report	for the	ss, v - VOA e analysis of	the spove sa	mpies is ap
Sample Matru: S - Sol. Sd - Solid. Sg - Sluege. A - Aqueols, O - Sinternaments are made - Hatardous samples we Note: Samples are discarded 30 days after results are reported unless other arrangements are made - Hatardous samples w pray to those samples received by the laboratory with this COC. The ilability of the laboratory is limited to the amount pair	iil be returned	d to clie	ent or (	a:spos:	20 07 87	916 O	Sur ob						
Note: Samples are ascalues a contract the second type (Of The jiability of the aboratory is limited to the amount part	NOCOLLEGE												
any to those sample: received by the aboratory with Line cool													

#### **Envirotech Analytical Laboratory**

		Sampla	Descint	Checklist (SRC)	)		11111cu. )/1/2022 11.50.54/1
	s: Please take note of any NO checkmarks. e no response concerning these items within 24 hours of the	_	-				
Client:		ate Received:	09/01/22		<u> </u>	Work Order ID:	E208187
Phone:			08/31/22			Logged In By:	Raina Schwanz
Email:		ate Logged In: ue Date:		2 17:00 (0 day TAT)	1	Logged in By.	Kaina Senwanz
Linan.		de Date.	07/01/22	. 17.00 (0 day 1/AI)			
<u>Chain o</u>	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Sample	Turn Around Time (TAT)			]			
-	ne 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 tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ter	mperature: 4 <sup>c</sup>	<u>°C</u>				
Sample	<u>Container</u>	-					
	aqueous VOC samples present?		No				
15. Are '	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes				
Field La	<u>ibel</u>						
20. Were	e field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	•			
	Collectors name? Preservation		No				
	s the COC or field labels indicate the samples were press	erved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved meta	als?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?	,	No				
	es, does the COC specify which phase(s) is to be analyze		NA				
•			11/1				
	tract Laboratory	,	No				
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab			
		5 WHO:	INA	Subcontract Lab	. па		
Client 1	Instruction						

**Client Instruction** 

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



envirotech Inc.





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Devon Seawolf 1-12 CTB 1

Work Order: E208014

Job Number: 01058-0007

Received: 8/2/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/9/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/9/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Devon Seawolf 1-12 CTB 1 Workorder: E208014 Date Received: 8/2/2022 3:51:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/2/2022 3:51:00PM, under the Project Name: Devon Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Devon Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

ljarboe@envirotech-inc.com

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

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

Envirotech Web Address: www.envirotech-inc.com



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#### Sample Summarv

		Sample Sum	mary				
Souder Miller Associates - Carlsbad		Project Name:	Devon Seawolf 1-1	2 CTB 1	Reported:		
201 S Halagueno St.		Project Number:	01058-0007		-		
Carlsbad NM, 88220		Project Manager:	Heather Woods		08/09/22 17:18		
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
C-1	E208014-01A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-2	E208014-02A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
2-3	E208014-03A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-4	E208014-04A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-5	E208014-05A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-6	E208014-06A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-7	E208014-07A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-8	E208014-08A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-9	E208014-09A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-10	E208014-10A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-11	E208014-11A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
C-12	E208014-12A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
2-13	E208014-13A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		
2-14	E208014-14A	Soil	07/29/22	08/02/22	Glass Jar, 2 oz.		



	Da	mpic D	ata			
Souder Miller Associates - Carlsbad	Project Name:		on Seawolf 1-12			
201 S Halagueno St.	Project Numbe	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-1				
	]	E208014-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/06/22	
Foluene	ND	0.0250	1	08/03/22	08/06/22	
p-Xylene	ND	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/06/22	
Fotal Xylenes	ND	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: JL			Batch: 2233023
Diesel Range Organics (C10-C28)	1380	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	599	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		96.8 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233001
Chloride	25.3	20.0	1	08/08/22	08/09/22	



## Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12 C	CTB 1		
201 S Halagueno St.	Project Numbe	r: 010	58-0007		Reported:	
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-2				
	]	E208014-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/06/22	
Toluene	ND	0.0250	1	08/03/22	08/06/22	
-Xylene	ND	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/06/22	
Fotal Xylenes	ND	0.0250	1	08/03/22	08/06/22	
urrogate: 4-Bromochlorobenzene-PID		113 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2233023
Diesel Range Organics (C10-C28)	5990	250	10	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	2670	500	10	08/08/22	08/09/22	
Surrogate: n-Nonane		91.3 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2233001
Chloride	593	20.0	1	08/08/22	08/08/22	

		impic D	utu			
Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12 C	CTB 1		
201 S Halagueno St.	Project Number	r: 010	58-0007		Reported:	
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-3				
	I	E208014-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	0.244	0.0250	1	08/03/22	08/06/22	
Foluene	0.0908	0.0250	1	08/03/22	08/06/22	
p-Xylene	0.658	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	1.81	0.0500	1	08/03/22	08/06/22	
Total Xylenes	2.47	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		122 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	36.3	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	5520	250	10	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	2290	500	10	08/08/22	08/09/22	
Surrogate: n-Nonane		105 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2233001
Chloride	1300	20.0	1	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12 C			
201 S Halagueno St.	Project Numbe	er: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-4				
		E208014-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	0.0519	0.0250	1	08/03/22	08/06/22	
Toluene	ND	0.0250	1	08/03/22	08/06/22	
p-Xylene	0.182	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	0.554	0.0500	1	08/03/22	08/06/22	
Total Xylenes	0.736	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Analyst: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	4400	250	10	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	2060	500	10	08/08/22	08/09/22	
Surrogate: n-Nonane		86.9 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2233001
Chloride	1680	20.0	1	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12	CTB 1		
201 S Halagueno St.	Project Numbe	r: 010	58-0007		Reported:	
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-5				
	]	E208014-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/06/22	
Toluene	ND	0.0250	1	08/03/22	08/06/22	
o-Xylene	ND	0.0250	1	08/03/22	08/06/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/06/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	94.2	25.0	1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	91.4	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		99.5 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233001
Chloride	63.3	20.0	1	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad	Project Name	: Dev	on Seawolf 1-12 C	CTB 1		
201 S Halagueno St.	Project Numb	oer: 010	01058-0007			Reported:
Carlsbad NM, 88220	Project Mana		8/9/2022 5:18:32PM			
		SC-6				
		E208014-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/06/22	
Toluene	ND	0.0250	1	08/03/22	08/06/22	
o-Xylene	ND	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/06/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/06/22	
urrogate: 4-Bromochlorobenzene-PID		109 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		101 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2233001
Chloride	360	20.0	1	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12 C			
201 S Halagueno St.	Project Numb	er: 010	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-7				
		E208014-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	0.170	0.0250	1	08/03/22	08/06/22	
Toluene	0.0644	0.0250	1	08/03/22	08/06/22	
p-Xylene	0.480	0.0250	1	08/03/22	08/06/22	
o,m-Xylene	1.08	0.0500	1	08/03/22	08/06/22	
Fotal Xylenes	1.56	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2232048
Gasoline Range Organics (C6-C10)	28.2	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2233023
Diesel Range Organics (C10-C28)	17800	250	10	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	10100	500	10	08/08/22	08/09/22	
Surrogate: n-Nonane		113 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: KL		Batch: 2233001
Chloride	4260	40.0	2	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12			
201 S Halagueno St.	Project Numb	er: 0105	58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Heat	ther Woods			8/9/2022 5:18:32PM
		SC-8				
		E208014-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/06/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/06/22	
Toluene	ND	0.0250	1	08/03/22	08/06/22	
o-Xylene	ND	0.0250	1	08/03/22	08/06/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/06/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/06/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/03/22	08/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	344	25.0	1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	206	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		99.5 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: KL		Batch: 2233001
Chloride	182	20.0	1	08/08/22	08/08/22	

Souder Miller Associates - Carlsbad	Project Name:	Dev	on Seawolf 1-12	CTB 1		
201 S Halagueno St.	Project Numbe	er: 0103	58-0007		Reported:	
Carlsbad NM, 88220	Project Manage	er: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-9				
	]	E208014-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/07/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/07/22	
Toluene	ND	0.0250	1	08/03/22	08/07/22	
o-Xylene	ND	0.0250	1	08/03/22	08/07/22	
o,m-Xylene	0.0611	0.0500	1	08/03/22	08/07/22	
Total Xylenes	0.0611	0.0250	1	08/03/22	08/07/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	3430	250	10	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	1850	500	10	08/08/22	08/09/22	
Surrogate: n-Nonane		117 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233001
Chloride	9070	100	5	08/08/22	08/08/22	



#### Sample Data

	D.	ampie D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 010:	on Seawolf 1-12 C 58-0007 ther Woods	CTB 1		<b>Reported:</b> 8/9/2022 5:18:32PM
		SC-10				
		E208014-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/07/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/07/22	
Toluene	ND	0.0250	1	08/03/22	08/07/22	
p-Xylene	ND	0.0250	1	08/03/22	08/07/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/07/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/07/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2233023
Diesel Range Organics (C10-C28)	36.5	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	67.9	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		92.8 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: KL		Batch: 2233001
Chloride	92000	400	20	08/08/22	08/08/22	



#### Sample Data

	D.	ampic D	utu			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 010	on Seawolf 1-12 ( 58-0007 ther Woods	CTB 1		<b>Reported:</b> 8/9/2022 5:18:32PM
		SC-11				
		E208014-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/07/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/07/22	
Toluene	ND	0.0250	1	08/03/22	08/07/22	
o-Xylene	ND	0.0250	1	08/03/22	08/07/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/07/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/07/22	
urrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/07/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2233023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		92.8 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233001
Chloride	3490	40.0	2	08/08/22	08/08/22	



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Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		on Seawolf 1-12 0 58-0007	CTB 1		Reported:
Carlsbad NM, 88220	Project Manag	ger: Hea	ther Woods			8/9/2022 5:18:32PM
		SC-12				
		E208014-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/07/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/07/22	
Toluene	ND	0.0250	1	08/03/22	08/07/22	
o-Xylene	ND	0.0250	1	08/03/22	08/07/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/07/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/07/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	45.1	25.0	1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	72.9	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		96.5 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2233001
Chloride	2890	40.0	2	08/08/22	08/08/22	



50	mpic D	ata			
5	r: 010:	58-0007	CTB 1		<b>Reported:</b> 8/9/2022 5:18:32PM
, ,	SC-13				
]					
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	:: IY		Batch: 2232048
ND	0.0250	1	08/03/22	08/07/22	
ND	0.0250	1	08/03/22	08/07/22	
ND	0.0250	1	08/03/22	08/07/22	
ND	0.0250	1	08/03/22	08/07/22	
ND	0.0500	1	08/03/22	08/07/22	
ND	0.0250	1	08/03/22	08/07/22	
	107 %	70-130	08/03/22	08/07/22	
mg/kg	mg/kg	Analyst	:: IY		Batch: 2232048
ND	20.0	1	08/03/22	08/07/22	
	107 %	70-130	08/03/22	08/07/22	
mg/kg	mg/kg	Analyst	:: JL		Batch: 2233023
ND	25.0	1	08/08/22	08/09/22	
ND	50.0	1	08/08/22	08/09/22	
	86.6 %	50-200	08/08/22	08/09/22	
mg/kg	mg/kg	Analyst	:: KL		Batch: 2233001
	Project Name: Project Numbe Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         Dev.           Project Number:         0102           Project Manager:         Heat           Project Manager:         Heat           E208014-13         Reporting           Result         Limit           mg/kg         mg/kg           MD         0.0250           ND         20.0           107 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0           ND         50.0	Project Number: $01058-0007$ Heather Woods         Project Manager: $1058-0007$ Heather Woods         SC-13         SC-13         E208014-13         Resolt Limit Dilution         mg/kg       mg/kg       Analyst         MD $0.0250$ 1         ND $0.0250$ 1         MD $0.0250$ 1         MD $0.0250$ 1         MD $20.0$ 1         MD $20.0$ 1         MD $25.0$ 1         MD $50.0$ 1         MD $50.0$ 1	Image: Devon Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Heather Woods         SC-13         SC-13         E208014-13         SC-13         Result       Dilution       Prepared         Meg/kg       mg/kg       Analyst: IY         ND       0.0250       1       08/03/22         MD       20.0       1       08/03/22 <t< td=""><td>Project Name:       Devon Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Heather Woods         SC-13         SC-13         E208014-13         Beporting         Result       Dilution       Prepared       Analyzed         Mg/kg       mg/kg       Analyst: IY       V         ND       0.0250       1       08/03/22       08/07/22         ND       20.0       1       08/03/22       08/07/22         ND       20.0       1       08/03/22       08/07/22</td></t<>	Project Name:       Devon Seawolf 1-12 CTB 1         Project Number:       01058-0007         Project Manager:       Heather Woods         SC-13         SC-13         E208014-13         Beporting         Result       Dilution       Prepared       Analyzed         Mg/kg       mg/kg       Analyst: IY       V         ND       0.0250       1       08/03/22       08/07/22         ND       20.0       1       08/03/22       08/07/22         ND       20.0       1       08/03/22       08/07/22



#### Sample Data

	D.	ample D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	on Seawolf 1-12 58-0007 ther Woods	CTB 1		<b>Reported:</b> 8/9/2022 5:18:32PM
		SC-14				
		E208014-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Benzene	ND	0.0250	1	08/03/22	08/07/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/07/22	
Toluene	ND	0.0250	1	08/03/22	08/07/22	
o-Xylene	ND	0.0250	1	08/03/22	08/07/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/07/22	
Fotal Xylenes	ND	0.0250	1	08/03/22	08/07/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232048
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/03/22	08/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2233023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		87.5 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233001
Chloride	3780	40.0	2	08/08/22	08/08/22	



## **QC Summary Data**

		<u> </u>			u				
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Devon Seawolf 1058-0007	1-12 CTB	1			Reported:
Carlsbad NM, 88220		Project Manager:	Н	Heather Woods					8/9/2022 5:18:32PM
		Volatile O	rganics	by EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232048-BLK1)							Prepared: 0	8/03/22 A	nalyzed: 08/06/22
Benzene	ND	0.0250							· ·
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.88	0.0250	8.00		111	70-130			
LCS (2232048-BS1)							Prepared: 0	8/03/22 A	nalyzed: 08/06/22
Benzene	3.97	0.0250	5.00		79.3	70-130	-		
Ethylbenzene	3.94	0.0250	5.00		78.8	70-130			
Toluene	4.02	0.0250	5.00		80.4	70-130			
p-Xylene	4.10	0.0250	5.00		82.0	70-130			
p,m-Xylene	7.99	0.0500	10.0		79.9	70-130			
Total Xylenes	12.1	0.0250	15.0		80.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.09		8.00		114	70-130			
Matrix Spike (2232048-MS1)				Source:	E208014-	02	Prepared: 0	8/03/22 A	nalyzed: 08/06/22
Benzene	3.99	0.0250	5.00	ND	79.7	54-133			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	61-133			
Toluene	4.01	0.0250	5.00	ND	80.2	61-130			
o-Xylene	4.01	0.0250	5.00	ND	80.3	63-131			
p,m-Xylene	7.86	0.0500	10.0	ND	78.6	63-131			
Total Xylenes	11.9	0.0250	15.0	ND	79.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	9.01		8.00		113	70-130			
Matrix Spike Dup (2232048-MSD1)				Source:	E208014-	02	Prepared: 0	8/03/22 A	nalyzed: 08/06/22
Benzene	4.06	0.0250	5.00	ND	81.2	54-133	1.90	20	
Ethylbenzene	3.97	0.0250	5.00	ND	79.3	61-133	2.00	20	
Toluene	4.09	0.0250	5.00	ND	81.8	61-130	2.03	20	
o-Xylene	4.10	0.0250	5.00	ND	82.1	63-131	2.23	20	
p,m-Xylene	8.03	0.0500	10.0	ND	80.3	63-131	2.05	20	
Total Xylenes	12.1	0.0250	15.0	ND	80.9	63-131	2.11	20	
			8.00		114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.09		8.00		114	70-130			



### **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$		J	-				
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Devon Seawolf 01058-0007	1-12 CTB	1			Reported:
Carlsbad NM, 88220		Project Manager:		Heather Woods					8/9/2022 5:18:32PM
	No	onhalogenated O	rganic	s by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232048-BLK1)							Prepared: 0	8/03/22 A	nalyzed: 08/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.91		8.00		111	70-130			
LCS (2232048-BS2)							Prepared: 0	8/03/22 A	analyzed: 08/06/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			
Matrix Spike (2232048-MS2)				Source:	E208014-	02	Prepared: 0	8/03/22 A	analyzed: 08/06/22
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	87.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			
Matrix Spike Dup (2232048-MSD2)				Source:	E208014-	02	Prepared: 0	8/03/22 A	analyzed: 08/06/22
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130	0.782	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			



## **QC Summary Data**

		$\chi \circ \sim$							
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Devon Seawolf 01058-0007	1-12 CTB	1			Reported:
Carlsbad NM, 88220		Project Manager:	]	Heather Woods					8/9/2022 5:18:32PM
	Nonh	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233023-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.8		50.0		116	50-200			
LCS (2233023-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	228	25.0	250		91.2	38-132			
Surrogate: n-Nonane	43.2		50.0		86.3	50-200			
Matrix Spike (2233023-MS1)				Source:	E208014-	06	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	47.6		50.0		95.3	50-200			
Matrix Spike Dup (2233023-MSD1)				Source:	E208014-	06	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.76	20	



## **QC Summary Data**

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Souder Miller Associates - Carlsbad		Project Name:	Ε	Devon Seawolf	1-12 CTB	1			Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					•
Carlsbad NM, 88220		Project Manager:	H	leather Woods					8/9/2022 5:18:32PM
		Anions	by EPA	300.0/9056	٨				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233001-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Chloride	ND	20.0							
LCS (2233001-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Chloride	237	20.0	250		94.9	90-110			
Matrix Spike (2233001-MS1)				Source:	E208014-0	)1	Prepared: 0	8/08/22 A	analyzed: 08/08/22
Chloride	264	20.0	250	25.3	95.3	80-120			
Matrix Spike Dup (2233001-MSD1)				Source:	E208014-0	1	Prepared: 0	8/08/22 A	analyzed: 08/08/22
Chloride	270	20.0	250	25.3	98.0	80-120	2.47	20	

QC Summary Report Comment:

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



Souder Miller Associates - Carlsbad	Project Name:	Devon Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	08/09/22 17:18

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

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

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



[client: Souder, Miller : Associates

Project: Devon Seawolf 1-12 CTB | Project Manager: Heather Woods Address: 201 S. Halagueno

Released to Imaging: 2/14/2023 1:46:34 PM

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Bill To

Attention: Dunn

Address: City, State, Zip EPA Program

CWA SDWA

State

5-DAY

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Lab Use Only ;

Lab WO# Job Number 1 PE-20801U 01058-0007 Analysis and Nethod

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Time Sampled	Date Sampled	Matrx	No Containers	Sample ID						Lab Number	DRO/ORO by 8015	GRU/DRO IN 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chioride 300.0			BGDUC: - NM	BGDUC			F	Remar	ks	
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		e validity and a	othenticity of	this sample. I an s for lega: action.	n aware that '	tampering with	h or intentionally i	mislabelling the s	tarnple bcst	tion, date or							-						e day they i subseques		led s	
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Sampie Mat	rix: S - Soil, So	d - Solid, Sg -	Sludge, A - A	quecus, O · Ot	her					Container	Type	2: g - 1	glass.	<b>D</b> - D		_	<u>.</u>		r elas	5. v -	VOA					_
Note: Samp	les are discard	ded 30 da/s a	fter results a	are reported un	less other a	arrangements of the labors	s are made Har story is limited	azardous sample to the amount p	s will be re	eturned to cl												he sio	ove sam;	ples is a	pplicz	ہ ار ا
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Project	Information
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Client: Soud

5-DAY

Project: Devon Seawolf 1-12 CTB1						Attention: Devon							e Only :					AT	l		PA Program				
Project:	Devon	Seame	<u> 14 1-15</u>	<u>CTB</u>				<u>)lvor</u>	<u>۱</u>		Lab	WO#	CA	111	Job I	Jum	per	Ð	1D	3D	RC	RA	CWA	ŚC	AWC
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	505)7					Ema	<u>ail:</u>				8015	315													
Email: Heather. Woods PSoudermiller.com						WO # 20987302			8	× B	5	3		0.006 1			5					K			
Report d	ue by:										1 g	D.	by 8021	826	109	6 30			- N	Ĕ					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID						Lab Number	DRO/ORO by	GRO/DRO hy 8015	BTEX b	VOC by 8260	Metals 6010	Chloride			WN - DOODO	BGDOC - 1X			Re	emark	s
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				this sample. I am s for lega: action.			ing with or intents	ionally mislab Heath	elling the sample	beation, date or d_S	,						•						e day they are subsequent :		57
Reliaquish	ed by: (Sign	ature)	Per	2/2022	<sup>lime</sup> 155	50	Received by:			Date 8/2	22	Time	5.1	6	Rec	eiveo	d on	ice:		ab U	se Oi N	nly			
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Samale Ma	trix: S - Soil S	d - Solid. Se -		aueous O - Oth	er		L			Containe		L	alace	n - ^							- 1/04		·		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								i iypi	<u>с. В</u>	Biass,	<u>h - h</u>	ciy/p	ICSUC	<u>, нқ .</u>	ampe	a Big	x>>, √ '		\ 						

Note: Samples are : The report for the analysis of the above samples is applicable ded 30 dass after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the dient expense. 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

Received by OCD: 1/24/2023 1:57:47 PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client: Souder Miller Ass	ociates - Carlsbad	Date Received:	08/02/22 15:5	51		Work Order ID:	E208014
hone: (505) 325-7535		Date Logged In:	08/02/22 17:2	23		Logged In By:	Alexa Michae
nail: ashley.maxwell@s	oudermiller.com	Due Date:	08/09/22 17:0	00 (5 day TAT)			
hain of Custody (COC)							
. Does the sample ID mate	h the COC?		Yes				
2. Does the number of samp	oles per sampling site location i	natch the COC	Yes				
3. Were samples dropped of	ff by client or carrier?		Yes	Carrier: H	leather Woods		
. Was the COC complete,	i.e., signatures, dates/times, req	uested analyses?	Yes	_			
-	d within holding time? ch as pH which should be conducte l time, are not included in this disuc		Yes			<u>Commen</u>	ts/Resolution
Sample Turn Around Tim	<u>e (TAT)</u>						
5. Did the COC indicate sta	ndard TAT, or Expedited TAT?		Yes				
Sample Cooler_							
7. Was a sample cooler rece			Yes				
3. If yes, was cooler receive	ed in good condition?		Yes				
9. Was the sample(s) receiv	ed intact, i.e., not broken?		Yes				
0. Were custody/security s	eals present?		No				
1. If yes, were custody/sec	urity seals intact?		NA				
•	n ice? If yes, the recorded temp is 4 servation is not required, if samples		Yes				
	the temperature. Actual sam	ole temperature: 4ª	<u>°C</u>				
ample Container							
4. Are aqueous VOC samp	oles present?		No				
5. Are VOC samples colle	cted in VOA Vials?		NA				
6. Is the head space less th	an 6-8 mm (pea sized or less)?		NA				
7. Was a trip blank (TB) ir	cluded for VOC analyses?		NA				
8. Are non-VOC samples	collected in the correct contained	ers?	Yes				
9. Is the appropriate volume	/weight or number of sample con	tainers collected?	Yes				
Field Label							
-	s filled out with the minimum i	nformation:					
Sample ID? Date/Time Collecte	49		Yes				
	u:		Yes No				
Conectors name?			140				
Collectors name?							
ample Preservation	abels indicate the samples were	preserved?	No				
ample Preservation 1. Does the COC or field l		preserved?	No NA				
ample Preservation 1. Does the COC or field l 2. Are sample(s) correctly		-					
ample Preservation 1. Does the COC or field l 2. Are sample(s) correctly 4. Is lab filteration require	preserved? d and/or requested for dissolved	-	NA				
ample Preservation 1. Does the COC or field l 2. Are sample(s) correctly 4. Is lab filteration require fultiphase Sample Matri	preserved? d and/or requested for dissolved	1 metals?	NA				
ample Preservation 1. Does the COC or field l 2. Are sample(s) correctly 4. Is lab filteration require fultiphase Sample Matri 6. Does the sample have n	preserved? d and/or requested for dissolved <u>x</u>	1 metals? hase?	NA No				
ample Preservation 1. Does the COC or field 1 2. Are sample(s) correctly 4. Is lab filteration require fultiphase Sample Matri 6. Does the sample have n 7. If yes, does the COC sp	preserved? d and/or requested for dissolved <u>x</u> nore than one phase, i.e., multip	1 metals? hase?	NA No No				
Sample Preservation 21. Does the COC or field l 22. Are sample(s) correctly 24. Is lab filteration require Multiphase Sample Matri 26. Does the sample have n 27. If yes, does the COC sp Subcontract Laboratory	preserved? d and/or requested for dissolved <u>x</u> nore than one phase, i.e., multip	l metals? hase? alyzed?	NA No No				

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







5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E208049

Job Number: 01058-0007

Received: 8/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/9/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/9/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E208049 Date Received: 8/8/2022 10:50:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2022 10:50:00AM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

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

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

Envirotech Web Address: www.envirotech-inc.com



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#### **Sample Summary**

		Sample Sum	mai y		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	alagueno St. Project Number: 01058-00		Seawolf 1-12 CTB 01058-0007 Ashley Maxwell	1	<b>Reported:</b> 08/09/22 16:01
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-18	E208049-01A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-17	E208049-02A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-16	E208049-03A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-15	E208049-04A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-19	E208049-05A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-20	E208049-06A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-21	E208049-07A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-22	E208049-08A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-23	E208049-09A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-24	E208049-10A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-25	E208049-11A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-26	E208049-12A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-27	E208049-13A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-28	E208049-14A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-29	E208049-15A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-30	E208049-16A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-31	E208049-17A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-32	E208049-18A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-33	E208049-19A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
C-34	E208049-20A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.



	5	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manaş	er: 010.	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-18				
		E208049-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Fotal Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/08/22	
Surrogate: n-Nonane		105 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233012
Chloride	69.3	20.0	1	08/08/22	08/09/22	

## Sample Data



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	volf 1-12 CTB 58-0007 ley Maxwell	I		<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-17				
		SC-17 E208049-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/08/22	
urrogate: n-Nonane		103 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012
Chloride	996	20.0	1	08/08/22	08/09/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-16				
		E208049-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/08/22	
Toluene	ND	0.0250	1	08/08/22	08/08/22	
p-Xylene	ND	0.0250	1	08/08/22	08/08/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/08/22	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/08/22	
Surrogate: n-Nonane		107 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: KL		Batch: 2233012
Chloride	1520	20.0	1	08/08/22	08/09/22	



	S	Sample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 010	wolf 1-12 CTB 58-0007 ley Maxwell	1		<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-15				
		E208049-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/08/22	
Toluene	ND	0.0250	1	08/08/22	08/08/22	
o-Xylene	ND	0.0250	1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/08/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/08/22	
Surrogate: n-Nonane		104 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2233012
Chloride	428	20.0	1	08/08/22	08/09/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	volf 1-12 CTB 1 58-0007 ley Maxwell	I		<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-19				
		E208049-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	Analyst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	274	25.0	1	08/08/22	08/08/22	
Dil Range Organics (C28-C36)	163	50.0	1	08/08/22	08/08/22	
Surrogate: n-Nonane		105 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012
Chloride	7840	100	5	08/08/22	08/09/22	

	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	wolf 1-12 CTB 58-0007 ley Maxwell	1		<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-20				
		E208049-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY	Batch: 2233014	
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
urrogate: n-Nonane		105 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012
Chloride	3630	40.0	2	08/08/22	08/09/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	volf 1-12 CTB 1 58-0007 ley Maxwell			<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-21				
		E208049-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		109 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2233012
Chloride	117	20.0	1	08/08/22	08/09/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 010	wolf 1-12 CTB 58-0007 ley Maxwell	1		<b>Reported:</b> 8/9/2022 4:01:51PM
		SC-22				
		E208049-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		83.5 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012
Chloride	22.2	20.0	1	08/08/22	08/09/22	



	D	ampic D	ala			
Souder Miller Associates - Carlsbad	Project Name	e: Seav	wolf 1-12 CTB 1			
201 S Halagueno St.	Project Num	ber: 010:	58-0007	Reported:		
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwell			8/9/2022 4:01:51PM
		SC-23				
		E208049-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		108 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2233012
Chloride	3080	1000	50	08/08/22	08/09/22	

	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010	wolf 1-12 CTB 1 58-0007 ley Maxwell		<b>Reported:</b> 8/9/2022 4:01:51PM	
	i iojeet manag					
		SC-24 E208049-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Fotal Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	95.3	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	80.3	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		103 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012
Chloride	34800	1000	50	08/08/22	08/09/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	5	Project Name: Seawolf 1-12 CTB 1 Project Number: 01058-0007 Project Manager: Ashley Maxwell				<b>Reported:</b> 8/9/2022 4:01:51PM
	-	SC-25	-			
		E208049-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
o-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Fotal Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Gurrogate: n-Nonane		105 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012
Chloride	12200	200	10	08/08/22	08/09/22	



	Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name:Seawolf 1-12 CTB 1Project Number:01058-0007Project Manager:Ashley Maxwell					<b>Reported:</b> 8/9/2022 4:01:51PM				
	i iojeet ivianag		ley Maxwell			0,7,2022				
		SC-26								
		E208049-12								
		Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014				
Benzene	ND	0.0250	1	08/08/22	08/09/22					
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22					
Toluene	ND	0.0250	1	08/08/22	08/09/22					
p-Xylene	ND	0.0250	1	08/08/22	08/09/22					
p,m-Xylene	ND	0.0500	1	08/08/22	08/09/22					
Fotal Xylenes	ND	0.0250	1	08/08/22	08/09/22					
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	08/08/22	08/09/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2233014				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22					
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	08/08/22	08/09/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2233021				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22					
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22					
Surrogate: n-Nonane		105 %	50-200	08/08/22	08/09/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2233012				
Chloride	6380	200	10	08/08/22	08/09/22					



	Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name:Seawolf 1-12 CTB 1Project Number:01058-0007Project Manager:Ashley Maxwell					<b>Reported:</b> 8/9/2022 4:01:51PM				
		SC-27								
		E208049-13								
		Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014				
Benzene	ND	0.0250	1	08/08/22	08/09/22					
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22					
Toluene	ND	0.0250	1	08/08/22	08/09/22					
p-Xylene	ND	0.0250	1	08/08/22	08/09/22					
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22					
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22					
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	08/08/22	08/09/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22					
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/08/22	08/09/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22					
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22					
Surrogate: n-Nonane		108 %	50-200	08/08/22	08/09/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012				
Chloride	201	20.0	1	08/08/22	08/09/22					



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		<b>Reported:</b> 8/9/2022 4:01:51PM							
		SC-28							
		E208049-14							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Toluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		100 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012			
Chloride	129	20.0	1	08/08/22	08/09/22				



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	Project Number: 01058-0007				<b>Reported:</b> 8/9/2022 4:01:51PM
	i ioject ividina		iey maxwen			0,7,2022
		SC-29				
		E208049-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
p-Xylene	ND	0.0250	1	08/08/22	08/09/22	
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	vst: JL		Batch: 2233021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22	
Surrogate: n-Nonane		107 %	50-200	08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	vst: KL		Batch: 2233012
Chloride	114	40.0	2	08/08/22	08/09/22	



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name:Seawolf 1-12 CTB 1Project Number:01058-0007Project Manager:Ashley Maxwell			1		<b>Reported:</b> 8/9/2022 4:01:51PM			
		SC-30							
		E208049-16							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Toluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		105 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012			
Chloride	14200	200	10	08/08/22	08/09/22				



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		<b>Reported:</b> 8/9/2022 4:01:51PM							
		SC-31							
		E208049-17							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Toluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		97.8 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012			
Chloride	3220	20.0	1	08/08/22	08/09/22				



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	I S Halagueno St. Project Number: 01058-0007								
		SC-32							
		E208049-18							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Foluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		112 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2233012			
Chloride	564	20.0	1	08/08/22	08/09/22				



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	er: 010.	Seawolf 1-12 CTB 1 01058-0007 Ashley Maxwell			<b>Reported:</b> 8/9/2022 4:01:51PM			
		SC-33							
		E208049-19							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Foluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
o,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		108 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2233012			
Chloride	219	20.0	1	08/08/22	08/09/22				



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 010:	Seawolf 1-12 CTB 1 01058-0007 Ashley Maxwell			<b>Reported:</b> 8/9/2022 4:01:51PM			
		SC-34							
		E208049-20							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2233014			
Benzene	ND	0.0250	1	08/08/22	08/09/22				
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22				
Toluene	ND	0.0250	1	08/08/22	08/09/22				
p-Xylene	ND	0.0250	1	08/08/22	08/09/22				
p,m-Xylene	ND	0.0500	1	08/08/22	08/09/22				
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22				
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2233014			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22				
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	08/08/22	08/09/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2233021			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/22	08/09/22				
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/22	08/09/22				
Surrogate: n-Nonane		107 %	50-200	08/08/22	08/09/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2233012			
Chloride	1810	20.0	1	08/08/22	08/09/22				



## **QC Summary Data**

		<u> </u>		<u> </u>							
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	eawolf 1-12 C 058-0007 shley Maxwel					<b>Reported:</b> 8/9/2022 4:01:51PM		
Volatile Organics by EPA 8021B											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2233014-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130					
LCS (2233014-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22		
Benzene	4.41	0.0250	5.00		88.2	70-130					
Ethylbenzene	4.42	0.0250	5.00		88.3	70-130					
Toluene	4.55	0.0250	5.00		90.9	70-130					
o-Xylene	4.52	0.0250	5.00		90.5	70-130					
p,m-Xylene	8.94	0.0500	10.0		89.4	70-130					
Total Xylenes	13.5	0.0250	15.0		89.8	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130					
LCS Dup (2233014-BSD1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22		
Benzene	4.45	0.0250	5.00		89.0	70-130	0.904	20			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130	0.884	20			
Toluene	4.58	0.0250	5.00		91.7	70-130	0.813	20			
o-Xylene	4.56	0.0250	5.00		91.2	70-130	0.851	20			
p,m-Xylene	9.02	0.0500	10.0		90.2	70-130	0.804	20			
Total Xylenes	13.6	0.0250	15.0		90.5	70-130	0.820	20			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130					



## **QC Summary Data**

		<b>C</b>							
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number	: 0	1058-0007					
Carlsbad NM, 88220		Project Manage	r: A	shley Maxwe	11				8/9/2022 4:01:51PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233014-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
LCS (2233014-BS2)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			
LCS Dup (2233014-BSD2)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		93.9	70-130	11.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			



## **QC Summary Data**

		QC D	u 111111	ary Date					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Seawolf 1-12 C 01058-0007	TB 1				Reported:
Carlsbad NM, 88220		Project Manager:	A	Ashley Maxwel	1				8/9/2022 4:01:51PM
	Nonh	alogenated Org	anics by	7 <b>EPA 8015</b>	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233021-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			
LCS (2233021-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike (2233021-MS1)				Source:	E208049-	12	Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	38-132			
Surrogate: n-Nonane	47.1		50.0		94.3	50-200			
Matrix Spike Dup (2233021-MSD1)				Source:	E208049-	12	Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132	4.29	20	
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			



## **QC Summary Data**

		•		v					
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					•
Carlsbad NM, 88220		Project Manager:	А	shley Maxwe	11				8/9/2022 4:01:51PM
		Anions	by EPA 3	300.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233012-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Chloride	ND	20.0							
LCS (2233012-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/09/22
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2233012-MS1)				Source:	E208049-0	)1	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Chloride	310	20.0	250	69.3	96.2	80-120			
Matrix Spike Dup (2233012-MSD1)				Source:	E208049-0	)1	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Chloride	305	20.0	250	69.3	94.3	80-120	1.51	20	

QC Summary Report Comment:

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



### **Definitions and Notes**

Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	08/09/22 16:01

ND Analyte	NOT DETECTED at or above the reporting limit
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NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



	Chain of C	ustody									Page of _4
Project Information								2d	ay		
client: Sou der Miller + Associate	Bill To					e Only		TAT			A Program
EQUINCI-12 (TE)	Attention: Devon		Lab W	0#		Job Nu	mber <b>%-000</b>	1D 3	2	RCRA	CWA SDWA
Project Manager: AShky Maxwell	Address:	<u> </u>	Pto	NX	)UY	UC	s and Meth				State
Address 201 S WA IG ALLIND	City, State, Zip			- 1-				ŤT		1	NM CO UT AZ
City, State, Zip CUY ISOUCH INNI OBJ			<b>n</b>	۵   N							
Phone:	Email:		108	ũ l			300.0	5			TX OK
Email: Report due by:	W0 # 20987302		4 Cž	1 0 P	826	109		ź	Ē.		
Time Date Matrix Ne Containers Sample II	D	Lab Number	1 2109/080 by 8015	GRO/DRO by 8015 BTEX by 8021	VOC by 8260	Metals 6010	Chiloritde	BGDOC - NM	BGDUC - 1X		Remarks
0432 814/225011 1 SC-1	8	1						X			
0931 BH122 Spil 1 SC-1	17	え						X			1
0930 8/4/22 Soil 1 SC-1	16	3	+			┿		X			
0929 8/4/22 Snil 1 SC-1	5	4	╞╌┼		-	+		X			
0933 84/22 Soil 1 SC-1	<b>q</b>	5	+			+		X			
0934 8/4/22 Soil 1 SC-	20	0				╉				╏╌┨╼	
0935 8/4/22 Soil 1 SC-	21					+				┠╌╂╌	
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0938 8/4/20501 ! SC-2		10						<u> </u>			
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. (field sampler), attest to the validity and authenticity of this sampler, time of collection is considered fraud and may be grounds for legal ad	nion. Sampled by:					received	packed in ice at a				an subsequent days
Relinflyished by: (Signature) Date 814/22	2 1:40 Received by (signature)	Date 8-5	502	Time .	15	Rece	eived on id			Jse Only N	
Relindershed by Orgnature Date 8-5-0	Haus Received by: (Signazore)	88	6		5	<u></u>					<u>T3</u>
Relinpuistiet by: (Signature) Date	Time Received by: (SigNature)	Datě		Time			Temp <sup>c</sup> C				
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and the set of the set	<ul> <li>Other</li></ul>	e returned t r on the repo	a client of ort	u:spos-a		ne cheat é	when as the				
only to those samples received by the laboratory with this CC	A. The hadding of the boor story is finited to the amount pair to			··							

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	Attention: Devon		Lab V	NO#	<u></u>	dol	Numbe		10	3D	RCRA	CWA	SDWA
Project: Seawolf 1-12 (TB Project Manager: ASNEY MAXWELL	Address:			20	$\mathcal{O}$			<del>7</del> 000				Sta	+0
Address: 201 S. Halunueno	City, State, Zip					Ana	ysis and	Nethod	} <del>.                                    </del>				UTAZ
City, State, Zip Carishael NAV 88000	Phone:			1									
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Note: Samples are discarded 30 days after results are reported unless only to those samples received by the laboratory with this COC. The it	ability of the laboratory is limited to the amount paid for	on the repo	rt										
ony to those samples received by the reported													

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Received by OCD: 1/24/2023 1:57:47 PM

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Souder Miller Associates - Carlsbad D	ate Received:	08/08/22	10:50	Work Order ID: E208049
Phone:	(505) 325-7535 D	ate Logged In:	08/08/22	11:27	Logged In By: Alexa Michaels
Email:		ue Date:		17:00 (1 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tł	ne COC indicate standard TAT, or Expedited TAT?		Yes		This project has been seperated into two
<u>Sample</u>	<u>Cooler</u>				workorders due to amount of samples.
7. Was a	a sample cooler received?		Yes		workorders are as follows: E208049 ( coc
8. If yes	, was cooler received in good condition?		Yes		pages 1&2 of 4) and E208050 (coc pages
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		3&4 of 4)
10. Were	e custody/security seals present?		No		3&4 01 4)
11. If ye	s, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes		
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample ter	nnerature: 4º	C		
		nperature. <u>+</u>	<u>c</u>		
	<u>Container</u>				
11 100			No		
	aqueous VOC samples present?		No NA		
15. Are	VOC samples collected in VOA Vials?		NA		
15. Are 16. Is th	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA NA		
15. Are 16. Is th 17. Was	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA NA		
15. Are 16. Is th 17. Was 18. Are	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	s collected?	NA NA NA Yes		
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- (

Date



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

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E208050

Job Number: 01058-0007

Received: 8/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/9/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/9/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E208050 Date Received: 8/8/2022 10:50:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2022 10:50:00AM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

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

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

Envirotech Web Address: www.envirotech-inc.com



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#### Sample Summarv

		Sample Sum	J		
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Seawolf 1-12 CTB 01058-0007 Ashley Maxwell	I	<b>Reported:</b> 08/09/22 17:13
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-35	E208050-01A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-36	E208050-02A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-37	E208050-03A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
5C-38	E208050-04A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
5C-39	E208050-05A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-40	E208050-06A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-41	E208050-07A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-42	E208050-08A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-43	E208050-09A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-44	E208050-10A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-45	E208050-11A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-46	E208050-12A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-47	E208050-13A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-48	E208050-14A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-49	E208050-15A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-50	E208050-16A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-51	E208050-17A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.
SC-52	E208050-18A	Soil	08/04/22	08/08/22	Glass Jar, 4 oz.


		imple D				
Souder Miller Associates - Carlsbad	Project Name:	Seav	wolf 1-12 CT	B 1		
201 S Halagueno St.	Project Numbe		58-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Maxwell			8/9/2022 5:13:50PM
		SC-35				
	-	E208050-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2233015
Benzene	ND	0.0250	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	08/08/22	08/09/22	
o-Xylene	ND	0.0250	1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130	08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2233022
Diesel Range Organics (C10-C28)	545	25.0	1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	706	50.0	1	08/08/22	08/08/22	
Surrogate: n-Nonane		100 %	50-200	08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2233013
Chloride	14500	400	20	08/08/22	08/08/22	

# Sample Data



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam		wolf 1-12 C	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Ashi	ley Maxwe	:11			8/9/2022 5:13:50PM
		SC-36					
		E208050-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	34.2	25.0		1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/08/22	
Surrogate: n-Nonane		101 %	50-200		08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	14100	400	2	20	08/08/22	08/08/22	



	Sa	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 0105	wolf 1-12 C 58-0007 ley Maxwel				<b>Reported:</b> 8/9/2022 5:13:50PM
		SC-37					
		E208050-03					
		Reporting					
Analyte	Result	Limit	Dilu	ition Pr	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	Compounds by EPA 8260B mg/kg mg/kg Analyst: IY						Batch: 2233015
Benzene	ND	0.0250	1	1 08	3/08/22	08/08/22	
Ethylbenzene	ND	0.0250	1	1 08	8/08/22	08/08/22	
Toluene	ND	0.0250	1	1 08	8/08/22	08/08/22	
p-Xylene	ND	0.0250	1	1 08	8/08/22	08/08/22	
o,m-Xylene	ND	0.0500	1	1 08	8/08/22	08/08/22	
Fotal Xylenes	ND	0.0250	1	08	8/08/22	08/08/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08	8/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08	8/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130	08	8/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0	1	1 08	3/08/22	08/08/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08	3/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08	8/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130	08	3/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0	1	1 08	3/08/22	08/08/22	
Dil Range Organics (C28-C36)	ND	50.0	1	1 08	8/08/22	08/08/22	
Surrogate: n-Nonane		99.1 %	50-200	08	3/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2233013
Chloride	4770	100	4	5 08	8/08/22	08/08/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 C	CTB 1			Reported:
Carlsbad NM, 88220	Project Man		ley Maxwe	-11			8/9/2022 5:13:50PM
	110,000 11101	-					
		SC-38					
		E208050-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	34.7	25.0		1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/08/22	
Surrogate: n-Nonane		107 %	50-200		08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	857	20.0		1	08/08/22	08/08/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam		wolf 1-12	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Ash	ley Maxw	ell			8/9/2022 5:13:50PM
		SC-39					
		E208050-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL	Batch: 2233022	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/08/22	
Surrogate: n-Nonane		99.9 %	50-200		08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	59.7	20.0		1	08/08/22	08/08/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	volf 1-12 (	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Ash	ey Maxwe	ell			8/9/2022 5:13:50PM
		SC-40					
		E208050-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		108 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		108 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/08/22	
Surrogate: n-Nonane		102 %	50-200		08/08/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	555	20.0		1	08/08/22	08/08/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	volf 1-12	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxw	ell			8/9/2022 5:13:50PM
		SC-41					
		E208050-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		108 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		108 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	5700	500		20	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	5100	1000		20	08/08/22	08/09/22	
Surrogate: n-Nonane		103 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	6060	100		5	08/08/22	08/08/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name	e: Seav	wolf 1-12 C	CTB 1			
201 S Halagueno St.	Project Num	ber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwe	11			8/9/2022 5:13:50PM
		SC-42					
		E208050-08					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	Batch: 2233015		
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		105 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		105 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	207	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	306	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		99.0 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	12100	400	2	20	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	volf 1-12 (	CTB 1			
201 S Halagueno St.	Project Num	ber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Ash	ey Maxwe	ell			8/9/2022 5:13:50PM
		SC-43					
		E208050-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/08/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/08/22	
Toluene	ND	0.0250		1	08/08/22	08/08/22	
o-Xylene	ND	0.0250		1	08/08/22	08/08/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/08/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/08/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		08/08/22	08/08/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/08/22	08/08/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL	Batch: 2233022	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		107 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	1370	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 ( 58-0007	CTB 1			Reported:
Carlsbad NM, 88220	Project Mana		ley Maxwe	ell			8/9/2022 5:13:50PM
·	5	-	5				
		SC-44 E208050-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		106 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		106 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		108 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	78.2	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	wolf 1-12 (	CTB 1			
201 S Halagueno St.	Project Num	ber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Ash	ley Maxwe	ell			8/9/2022 5:13:50PM
		SC-45					
		E208050-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY	Batch: 2233015	
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		102 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		102 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL	Batch: 2233022	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		90.4 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	44.0	20.0		1	08/08/22	08/09/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0105	volf 1-12 C 58-0007 ley Maxwel				<b>Reported:</b> 8/9/2022 5:13:50PM
		SC-46					
		E208050-12					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y	Batch: 2233015	
Benzene	ND	0.0250	1	1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250	1	1	08/08/22	08/09/22	
Toluene	ND	0.0250	1	1	08/08/22	08/09/22	
o-Xylene	ND	0.0250	1	1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500	1	1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250	1	1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/08/22	08/09/22	
Surrogate: n-Nonane		105 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	ïL		Batch: 2233013
Chloride	78.7	20.0	1	1	08/08/22	08/09/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 0105	volf 1-12 ( 58-0007 ley Maxwo				<b>Reported:</b> 8/9/2022 5:13:50PM
		SC-47					
		E208050-13					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		116 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	62.1	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam		volf 1-12 C	CTB 1			Danastada
201 S Halagueno St. Carlsbad NM, 88220	Project Num Project Man		58-0007 ley Maxwe	.11			<b>Reported:</b> 8/9/2022 5:13:50PM
Carisbad Nivi, 88220	Project Man	ager: Ash	ley Maxwe		8/9/2022 5.15.50FWI		
		SC-48					
		E208050-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		97.5 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	104	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 ( 58-0007	CTB 1			Reported:
Carlsbad NM, 88220	Project Mana		ley Maxwe	ell			8/9/2022 5:13:50PM
		SC-49					
		E208050-15					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		103 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		91.5 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	ND	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name	e: Seav	wolf 1-12 (	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwe	ell			8/9/2022 5:13:50PM
		SC-50					
		E208050-16					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		93.5 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	KL		Batch: 2233013
Chloride	20.4	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	wolf 1-12	CTB 1			
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwo	ell			8/9/2022 5:13:50PM
		SC-51					
		E208050-17					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		104 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		105 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2233013
Chloride	271	20.0		1	08/08/22	08/09/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Num	ber: 0103	volf 1-12 C				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwe	-11			8/9/2022 5:13:50PM
		SC-52					
		E208050-18					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Benzene	ND	0.0250		1	08/08/22	08/09/22	
Ethylbenzene	ND	0.0250		1	08/08/22	08/09/22	
Toluene	ND	0.0250		1	08/08/22	08/09/22	
o-Xylene	ND	0.0250		1	08/08/22	08/09/22	
p,m-Xylene	ND	0.0500		1	08/08/22	08/09/22	
Total Xylenes	ND	0.0250		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		106 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2233015
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/22	08/09/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/08/22	08/09/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		08/08/22	08/09/22	
Surrogate: Toluene-d8		106 %	70-130		08/08/22	08/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2233022
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/22	08/09/22	
Surrogate: n-Nonane		106 %	50-200		08/08/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2233013
Chloride	312	20.0		1	08/08/22	08/09/22	



# QC Summary Data

		<u><u><u>v</u> v v</u></u>			-				
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 CT	ГВ 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	А	shley Maxwell					8/9/2022 5:13:50PM
	١	olatile Organic	Compo	ounds by EP	0007         Maxwell         s by EPA 8260B         Source       Rec       Rec       Result         Result       Rec       Limits       RPD       Li         mg/kg       %       %       %       %         97.4       70-130       Prepared:       08/08/2         94.6       70-130       Prepared:       08/08/2         95.0       70-130       Prepared:       08/08/2         95.8       70-130       Prepared:       08/08/2         95.8       70-130       89.7       70-130         89.7       70-130       89.7       70-130         89.3       70-130       89.7       70-130         99.4       70-130       89.7       70-130         100       70-130       3.98       100         100       70-130       3.98       100         100       70-130       3.98       100         100       70-130       3.98       100         100       70-130       3.98       100         100       70-130       3.98       100         101       70-130       3.98       100         102       <		Analyst: IY		
Analyte	Dlt	Reporting Limit	Spike Level	Source	Daa		RBD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg				%	Notes
Blank (2233015-BLK1)						]	Prepared: 0	8/08/22 Ai	nalyzed: 08/09/22
Benzene	ND	0.0250					1		5
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2233015-BS1)						]	Prepared: 0	8/08/22 Ai	nalyzed: 08/09/22
Benzene	2.37	0.0250	2.50		95.0	70-130			
Ethylbenzene	2.40	0.0250	2.50						
Toluene	2.35	0.0250	2.50		93.9				
o-Xylene	2.24	0.0250	2.50		89.7	70-130			
p,m-Xylene	4.46	0.0500	5.00		89.2				
Total Xylenes	6.70	0.0250	7.50		89.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
LCS Dup (2233015-BSD1)						]	Prepared: 0	8/08/22 Ai	nalyzed: 08/09/22
Benzene	2.24	0.0250	2.50					23	
Ethylbenzene	2.30	0.0250	2.50					27	
Toluene	2.24	0.0250	2.50					24	
o-Xylene	2.15	0.0250	2.50					27	
p,m-Xylene	4.27	0.0500	5.00					27	
Total Xylenes	6.41	0.0250	7.50				4.35	27	
			0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70 150			
•	0.511 0.508		0.500		102	70-130			

# **QC Summary Data**

		<b>L</b> = 10		ary Date					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	eawolf 1-12 C 1058-0007 Ashley Maxwel					<b>Reported:</b> 8/9/2022 5:13:50PM
	No	onhalogenated O		2		RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233015-BLK1)							Prepared: 0	8/08/22 A	nalyzed: 08/09/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2233015-BS2)							Prepared: 0	8/08/22 A	nalyzed: 08/09/22
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
LCS Dup (2233015-BSD2)							Prepared: 0	8/08/22 A	nalyzed: 08/09/22
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130	8.48	20	
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



# **QC Summary Data**

		QU N		ary Date					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Seawolf 1-12 C 1058-0007	TB 1				Reported:
Carlsbad NM, 88220		Project Manager:	A	Ashley Maxwel	1				8/9/2022 5:13:50PM
	Nonh	alogenated Org	anics by	<b>EPA 8015</b>	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233022-BLK1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			
LCS (2233022-BS1)							Prepared: 0	8/08/22 A	analyzed: 08/08/22
Diesel Range Organics (C10-C28)	238	25.0	250		95.1	38-132			
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
Matrix Spike (2233022-MS1)				Source:	E208050-	07	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	5270	500	250	5700	NR	38-132			M4
Surrogate: n-Nonane	49.1		50.0		98.1	50-200			
Matrix Spike Dup (2233022-MSD1)				Source:	E208050-	07	Prepared: 0	8/08/22 A	analyzed: 08/09/22
Diesel Range Organics (C10-C28)	5640	500	250	5700	NR	38-132	6.76	20	M4
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			



# **QC Summary Data**

		L L		e e					
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					•
Carlsbad NM, 88220		Project Manager	: A	Ashley Maxwel	11				8/9/2022 5:13:50PM
		Anions	by EPA	300.0/90564	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233013-BLK1)							Prepared: 0	8/08/22 A	nalyzed: 08/08/22
Chloride	ND	20.0							
LCS (2233013-BS1)							Prepared: 0	8/08/22 A	nalyzed: 08/08/22
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2233013-MS1)				Source:	E208050-	01	Prepared: 0	8/08/22 A	nalyzed: 08/08/22
Chloride	14500	400	250	14500	1.09	80-120			M2
Matrix Spike Dup (2233013-MSD1)				Source:	E208050-	01	Prepared: 0	8/08/22 A	nalyzed: 08/08/22
Chloride	13100	400	250	14500	NR	80-120	9.98	20	M2

QC Summary Report Comment:

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



	2 • • • • • • • • • •		
Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	08/09/22 17:13

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with \*\* are non-accredited methods.

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



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roject: Sea Li DIF (-12 CTB roject Manager: Dishley Maxuell address: 201 S Ha laqueno ity, State, Zip (21) S Ha laqueno 	Number I		380		b Num	20005		T	l ef	CWA SDWA	
roject: Sea Li DIF (-12 CTB roject Manager: Dishley Maxuell address: 201 S Ha laqueno ity, State, Zip (21) S Ha laqueno 	Number I				alysis a	20005	1	30	RCRA		
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$\frac{1}{1} \frac{1}{1} \frac{1}$	Number I	CHO/ORO by 80 15 GRO/DRO hy 8015	by 8021		T		Ĩ			State	
Phone:       Phone       Phone<	Number I	DRO/ORO by 8015 GRO/DRO hy 8015	by 8021	60			1 1			NM CO UT AZ	
The mail:         Woth 20907302         Time Date Sampled Matrix Containers Sample ID         Sample J         0952 $2/4/22$ Soil I       SC-35         0953 $8/4/22$ Soil I       SC-36         0953 $8/4/22$ Soil I       SC-31         0953 $8/4/22$ Soil I       SC-31         0955 $8/4/22$ Soil I       SC-37         0955 $8/4/22$ Soil I       SC-37         0955 $8/4/22$ Soil I       SC-38         0955 $8/4/22$ Soil I       SC-37         0955 $8/4/22$ Soil I       SC-38         0956 $8/4/22$ Soil I       SC-39         ON SC - 39	Number I	DRO/ORO by 80 GRO/DRO by 80	by 8021	99	1 -						
Report due by:       Not $20.101.00.20$ Time       Date       Matrix       Ne       Sample ID         0952 $2/4/22$ Soil       1 $SC - 35$ 0953 $8/4/22$ Soil       1 $SC - 36$ 0953 $8/4/22$ Soil       1 $SC - 36$ 0953 $8/4/22$ Soil       1 $SC - 36$ 0955 $8/4/22$ Soil       1 $SC - 38$ 0955 $8/4/22$ Soil       1 $SC - 38$ 0955 $8/4/22$ Soil       1 $SC - 38$ 0956 $8/4/22$ Soil       1 $SC - 38$ 0956 $8/4/22$ Soil       1 $SC - 38$	Number I	DRO/ORO b GRO/DRO b	by 805	ا ي ا	alā		s			TX OK	
Time Sampled         Date Sampled         Matrix         No Containers         Sample ID           0952 $2/4/22$ Soil         1         SC-35           0953 $8/4/22$ Soil         1         SC-36           0954 $8/4/22$ Soil         1         SC-36           0955 $8/4/22$ Soil         1         SC-37           0955 $8/4/22$ Soil         1         SC-38           0955 $8/4/22$ Soil         1         SC-38           0956 $8/4/22$ Soil         1         SC-38           0956 $8/4/22$ Soil         1         SC-38           0956 $8/4/22$ Soil         1         SC-39	Number I	O/OH() GRU/D	1 2	/ 82	601 Je 30		ž U	Ě			
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0956 B/1/22Koil 1 50-39	4			$\left  - \right $			<u> </u>	╞	╂╌┠─		
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0957 B/4/22 Soil 1 SC-40	0					┼╌┼╴	<u> </u>		┼╌┼╴		
0958 8/4/22 Soil 1 SC-41	7					╂╌╂╴	<u> </u>	╞	┼╌┼─		
0959 8/4/22 Soil 1 SC-42	8	++				+	X	╞	┼╌┼╴		
1000 8/4/22 Soil 1 SC-43	9	+				┼┼	<u> </u>	╄	╆╌╂╌		
[	10						X				
Additional/Instructions: blace count report to Heather Words, Ashley Max	well,	Sar	ah	ma			<u>PCL</u>	Ge	<u>'UVQe(</u>	ANN (Joodmo)	
Tie'd sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample is time of collection is considered fraud and may be grounds for legal action. Sampled by:					received pac	ked in ice at an				C on subsequent days	
time of collection is considered that the may be growned to the state and the angle of the state	Pate 50	<i>₹</i>		15	Receiv	ed on ice	e: (	Lab ( Y)	Use Only N		
Relingushearer (Signature) Prie Time Received by: (Signature)	Date/8		me	60	<u></u>		_ 12			<u>T3</u>	
Relinquished by: (Signature) Date Time Received by: (Signature)	Date		me		]		L				
Sample Matrix: S - Soli, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						emp °C_	<b>T</b>				
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other	Contair	er Type:	g • glas	is <b>, p</b> - p	olv/olas	tic.ag - a	mber g	lass, v	v - VOA	· · · · · · · · · · · · · · · · · · ·	

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 Page 312 of 376

# Released to Imaging: 2/14/2023 1:46:34 PM

roject Information	Chain of C	ustody							•		Page 4 of L
roject intornation								2d0	w		
lient: Souder Miller + Associ	Utes Bill To				ab Use			TAT	r / [	_	CWA SDWA
The second state of the se			Lab WO	, , , , , , , , , , , , , , , , , , ,	الم	ob Num	ber S-000	R	D RC		CWA SDWA
roject Manager: ASHEY MAXWEIL	Address:		PEO	OX	ΤŢ	<u>nalvsis a</u>	nd Metho	d T			State
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mail: Report due by:	$-$ W0 $\pm 20987302$		4 CB	V 80	v 826	601 be 30		N N	ř		
Time Date Matrix No Sampled Sampled	e ID	Lab Number	DRO/ORO by 8015	RTEX by 8021	VOC by 8260	Metals 6010 Chłortde 300.0	╽╴╽╴	BGDOC: - NM	BGDOC - 1X		Remarks
004 814/22 Soil 1 SC	-45	11					┼╌┼─	X			
	-46	12	+				+	X	_+	$\left  \right $	1
1006 8/4/22Soil 1 SC.	-47	13	+ +				++				
1007 8/4/2 Soil 1 SC:	- 48	14	++				┼╌┼╸	X			
1008 8/4/22 Soil 1 SC-	- 49	15	┼╌┼	+			┽╋	X		+	
1009 8/4/22 SOIL 1 SC.	-50	10	+-+				+		┝╌┼╌	+	
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	-52	18	$\downarrow$				┼┼	<u> </u> X	┣_┣-	+	
							++	·			
Additional Instructions: Pleuse send report to (fe'd sampler), stest to the validity and authenticity of this same	Heather Woods, Ashley Mo	WWEI	1,Sa	rah	mai	Samples rei	Lea ( suarrag thermal ( cked in Ke at an	avg temp ab		<u>nn</u> edonket sanéčs	Goodmon be day they are sampled = are subsequent days
time of collection is considered fraud and may be grounds for legal Relinguished by: (Signature) Date	Time Referred by: (Signature)	Date	-2)	lime /	15	$\vdash$			ab Use	Only	
R & K. 8412		Date V		Time	19	Receiv	ed on ice	e: (	Y)/ N		
Reinfu/sher (isonative)	Time Received by: (Sigrature)	Date	ð	<u>IO</u> Time	-0	<u>]11</u>		_ 12			<u>13</u>
Relinquished by: (Signature) Date						AVG 1	emp °C_	4			
Sample Matrix: S - Soil. Sd - Solid, Sg - Sludge, A - Aqueous	, O • Other	Contair	ner Type	g - gla	iss, p ·	poly/pla	stic, ag - a	mber gl	ass, v - V	UA	bove samples is applicable
the state state and and an day often results are rend	, O - Other	e returned t r on the repa	o client or xt	a:sposed	i or at the	e chient exp	ense mer	eport of a			
only to those samples received by the laboratory with this	LOC. The about of the door story is initiate to the empore part										

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envirotech

Received by OCD: 1/24/2023 1:57:47 PM

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Souder Miller Associates - Carlsbad D	ate Received:	08/08/22	10:50	Work Order ID: E208050
Phone:	(505) 325-7535 D	ate Logged In:	08/08/22	11:42	Logged In By: Alexa Michaels
Email:	ashley.maxwell@soudermiller.com D	ue Date:	08/09/22	17:00 (1 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: L	JPS_
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes		This project has been seperated into two
<u>Sample</u>	Cooler				workorders due to amount of samples.
7. Was a	a sample cooler received?		Yes		workorders are as follows: E208049 ( coc
8. If yes	, was cooler received in good condition?		Yes		pages 1&2 of 4) and E208050 (coc pages
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		3&4 of 4)
10. Wer	e custody/security seals present?		No		3&4 01 4)
11. If ye	es, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes		
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample ter	nnerature 4º	C		
		nperature. <u>+</u>	<u>c</u>		
	<u>Container</u> aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	-		NA		
16. Is th	e head space less than 6-8 mm (pea sized or less)?				
	the head space less than 6-8 mm (pea sized or less)?				
17. Was	a trip blank (TB) included for VOC analyses?		NA		
17. Was 18. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	s collected?	NA Yes		
17. Was 18. Are 19. Is the	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers	s collected?	NA		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel		NA Yes		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers		NA Yes		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		NA Yes Yes		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		NA Yes Yes		
<ul> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	NA Yes Yes Yes No		
<ul> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>Sample</li> <li>21. Does</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	NA Yes Yes Yes No No		
<ol> <li>Was</li> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Were</li> <li>Sample</li> <li>Doe:</li> <li>Are</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	NA Yes Yes Yes No No NA		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved?	NA Yes Yes Yes No No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix	ation: erved? als?	NA Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase?	ation: erved? als?	NA Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix	ation: erved? als?	NA Yes Yes Yes No No NA No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field L:</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> <li>27. If yee</li> <li>Subcommentation</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze tract Laboratory	ation: erved? als? d?	NA Yes Yes Yes No No NA No No		
<ol> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe</li> <li>27. If yee</li> <li>Subcom</li> <li>28. Are</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	ation: erved? als? d?	NA Yes Yes Yes No No NA No		

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E208076

Job Number: 01058-0007

Received: 8/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/16/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/16/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E208076 Date Received: 8/15/2022 9:50:00AM

Ashley Maxwell,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2022 9:50:00AM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 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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Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

		Sample Sum	v				
Souder Miller Associates - Carlsbad		Project Name:	Seawolf 1-12 CTB	1	Reported:		
201 S Halagueno St.		Project Number:	01058-0007				
Carlsbad NM, 88220		Project Manager:	Ashley Maxwell		08/16/22 15:18		
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
C-53	E208076-01A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-54	E208076-02A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-55	E208076-03A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-56	E208076-04A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-57	E208076-05A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-58	E208076-06A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-59	E208076-07A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-60	E208076-08A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-61	E208076-09A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-62	E208076-10A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-63	E208076-11A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-64	E208076-12A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
2-65	E208076-13A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-66	E208076-14A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-67	E208076-15A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-68	E208076-16A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-69	E208076-17A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-70	E208076-18A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-71	E208076-19A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-72	E208076-20A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-73	E208076-21A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-74	E208076-22A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-75	E208076-23A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
C-76	E208076-24A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
2-77	E208076-25A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		
2-78	E208076-26A	Soil	08/11/22	08/15/22	Glass Jar, 2 oz.		



		ample D				
Souder Miller Associates - Carlsbad	Project Name:		wolf 1-12 C	ГВ 1		
201 S Halagueno St.	Project Numbe		58-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Maxwell	l		8/16/2022 3:18:35PM
		SC-53				
		E208076-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2234006
Benzene	ND	0.0250	1	08/15/2	2 08/15/22	
Ethylbenzene	ND	0.0250	1	08/15/2	2 08/15/22	
Toluene	ND	0.0250	1	08/15/2	2 08/15/22	
p-Xylene	ND	0.0250	1	08/15/2	2 08/15/22	
p,m-Xylene	ND	0.0500	1	08/15/2	2 08/15/22	
Total Xylenes	ND	0.0250	1	08/15/2	2 08/15/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	08/15/2	2 08/15/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/15/2	2 08/15/22	
Surrogate: Toluene-d8		99.6 %	70-130	08/15/2	2 08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/2	2 08/15/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	08/15/2	2 08/15/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/15/2	2 08/15/22	
Surrogate: Toluene-d8		99.6 %	70-130	08/15/2	2 08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/2	2 08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/2	2 08/15/22	
Surrogate: n-Nonane		67.6 %	50-200	08/15/2	2 08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2234010
Chloride	70.8	20.0	1	08/15/2	2 08/15/22	

# Sample Data



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manaş	er: 0105	volf 1-12 C 58-0007 ley Maxwe				<b>Reported:</b> 8/16/2022 3:18:35PM
		SC-54					
		E208076-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.4 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.4 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2234001
Diesel Range Organics (C10-C28)	28.2	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		72.3 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010
Chloride	203	20.0		1	08/15/22	08/15/22	



Sample Data									
Souder Miller Associates - Carlsbad	Project Name		volf 1-12 (	CTB 1					
201 S Halagueno St.	Project Numb		58-0007	11			<b>Reported:</b> 8/16/2022 3:18:35PM		
Carlsbad NM, 88220	Project Mana	ger: Ash	ey Maxwe	ell			8/10/2022 3:18:35PM		
		SC-55							
		E208076-03							
		Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006		
Benzene	ND	0.0250		1	08/15/22	08/15/22			
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22			
Toluene	ND	0.0250		1	08/15/22	08/15/22			
o-Xylene	ND	0.0250		1	08/15/22	08/15/22			
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22			
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		99.8 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		105 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234006		
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		99.8 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		105 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2234001		
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22			
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22			
Surrogate: n-Nonane		76.9 %	50-200		08/15/22	08/15/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010		
Chloride	650	20.0		1	08/15/22	08/15/22			



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12 ( 58-0007	Reported:					
Carlsbad NM, 88220	Project Mana		ey Maxwe	ell			8/16/2022 3:18:35PM		
		SC-56							
		E208076-04							
		Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006		
Benzene	ND	0.0250		1	08/15/22	08/15/22			
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22			
Toluene	ND	0.0250		1	08/15/22	08/15/22			
o-Xylene	ND	0.0250		1	08/15/22	08/15/22			
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22			
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		102 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		106 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006		
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		102 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		106 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2234001		
Diesel Range Organics (C10-C28)	34.4	25.0		1	08/15/22	08/15/22			
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22			
Surrogate: n-Nonane		80.4 %	50-200		08/15/22	08/15/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010		
Chloride	886	20.0		1	08/15/22	08/15/22			



Sample Data									
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12 ( 58-0007	Reported:					
Carlsbad NM, 88220	Project Mana		ley Maxw	ell			8/16/2022 3:18:35PM		
		SC-57	-						
		SC-57 E208076-05							
		Reporting							
Analyte	Result	Limit	Di	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2234006		
Benzene	ND	0.0250		1	08/15/22	08/15/22			
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22			
Toluene	ND	0.0250		1	08/15/22	08/15/22			
o-Xylene	ND	0.0250		1	08/15/22	08/15/22			
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22			
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		100 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		109 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234006		
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22			
Surrogate: Bromofluorobenzene		100 %	70-130		08/15/22	08/15/22			
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/15/22	08/15/22			
Surrogate: Toluene-d8		109 %	70-130		08/15/22	08/15/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2234001		
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22			
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22			
Surrogate: n-Nonane		73.1 %	50-200		08/15/22	08/15/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010		
Chloride	3720	40.0		2	08/15/22	08/15/22			


	S	ample D	ata				
Souder Miller Associates - Carlsbad	Project Name		volf 1-12				
201 S Halagueno St.	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Maxw	ell			8/16/2022 3:18:35PM
		SC-58					
		E208076-06					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		99.4 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		99.4 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		78.2 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	731	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad	Project Name		volf 1-12				
201 S Halagueno St.	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ey Maxw	ell			8/16/2022 3:18:35PM
		SC-59					
		E208076-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		92.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		92.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		58.2 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	875	20.0		1	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num	ber: 0105	volf 1-12 C 58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxwe	-11			8/16/2022 3:18:35PM
		SC-60					
		E208076-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.1 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.1 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		66.7 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010
Chloride	487	20.0		1	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	volf 1-12				
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Maxw	ell			8/16/2022 3:18:35PM
		SC-61					
		E208076-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.8 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.8 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	48.3	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		62.3 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2234010
Chloride	2580	40.0		2	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 C 58-0007		Reported:		
Carlsbad NM, 88220	Project Man	ager: Ash	ey Maxwe	-11			8/16/2022 3:18:35PM
		SC-62					
		E208076-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		95.2 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.3 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		95.2 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.3 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	лL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		68.7 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010
Chloride	376	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12 ( 58-0007		Reported:		
Carlsbad NM, 88220	Project Mana	iger: Ash	ey Maxwo	ell			8/16/2022 3:18:35PM
		SC-63					
		E208076-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.6 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.6 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		71.3 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010
Chloride	371	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12	Reported:			
Carlsbad NM, 88220	Project Mana		ley Maxw	ell			8/16/2022 3:18:35PM
		SC-64					
		E208076-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
o,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.2 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.2 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		77.4 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	916	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12	Reported:			
Carlsbad NM, 88220	Project Mana		ey Maxw	e11			8/16/2022 3:18:35PM
	110,000 1110110						0,10,2022 0110,001111
		SC-65					
		E208076-13					
		Reporting					
Analyte	Result	Limit	Di	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		75.0 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	977	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name Project Numb		volf 1-12 58-0007	CTB 1			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ey Maxw	ell			8/16/2022 3:18:35PM
		SC-66					
		E208076-14					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		96.7 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		96.7 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2234001
Diesel Range Organics (C10-C28)	64.8	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	51.8	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		86.5 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234010
Chloride	4190	40.0		2	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam		volf 1-12 (				
201 S Halagueno St.	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ey Maxwo	ell			8/16/2022 3:18:35PM
		SC-67					
		E208076-15					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		101 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		101 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		80.2 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	660	20.0		1	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 ( 58-0007		Reported:		
Carlsbad NM, 88220	Project Man	ager: Ash	ley Maxwo	ell			8/16/2022 3:18:35PM
		SC-68					
		E208076-16					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.1 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		97.1 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	лL		Batch: 2234001
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		86.9 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010
Chloride	355	20.0		1	08/15/22	08/15/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12	Reported:			
Carlsbad NM, 88220	Project Mana		ley Maxw	ell			8/16/2022 3:18:35PM
		SC-69					
		E208076-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234001
Diesel Range Organics (C10-C28)	26.4	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		81.7 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2234010
Chloride	980	20.0		1	08/15/22	08/15/22	



Sample Data										
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	wolf 1-12	CTB 1						
201 S Halagueno St.	Project Num		58-0007	Reported:						
Carlsbad NM, 88220	Project Man	ager: Ash	ley Maxw	ell			8/16/2022 3:18:35PM			
		SC-70								
		E208076-18								
		Reporting								
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006			
Benzene	ND	0.0250		1	08/15/22	08/15/22				
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22				
Toluene	ND	0.0250		1	08/15/22	08/15/22				
o-Xylene	ND	0.0250		1	08/15/22	08/15/22				
p,m-Xylene	ND	0.0500			08/15/22					
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234001			
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22				
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22				
Surrogate: n-Nonane		85.8 %	50-200		08/15/22	08/15/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2234010			
Chloride	477	20.0		1	08/15/22	08/15/22				



Sample Data											
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 0 58-0007		Reported:						
Carlsbad NM, 88220	Project Man		ey Maxwe	ell			8/16/2022 3:18:35PM				
		SC-71									
		E208076-19									
		Reporting									
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006				
Benzene	ND	0.0250		1	08/15/22	08/15/22					
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22					
Toluene	ND	0.0250		1	08/15/22	08/15/22					
o-Xylene	ND	0.0250		1	08/15/22	08/15/22					
p,m-Xylene	ND 0.0500 1 08/15/22		08/15/22								
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22					
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22					
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		08/15/22	08/15/22					
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006				
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22					
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22					
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		08/15/22	08/15/22					
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2234001				
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22					
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22					
Surrogate: n-Nonane		96.6 %	50-200		08/15/22	08/15/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010				
Chloride	944	20.0		1	08/15/22	08/15/22					



Sample Data										
Souder Miller Associates - Carlsbad	Project Name		volf 1-12		D (1					
201 S Halagueno St.	Project Numb		58-0007 ley Maxw		<b>Reported:</b> 8/16/2022 3:18:35PM					
Carlsbad NM, 88220	Project Mana	8/10/2022 5:18:55PM								
		SC-72								
		E208076-20								
		Reporting								
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006			
Benzene	ND	0.0250		1	08/15/22	08/15/22				
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22				
Toluene	ND	0.0250		1	08/15/22	08/15/22				
o-Xylene	ND	0.0250		1	08/15/22	08/15/22				
p,m-Xylene	ND	0.0500			08/15/22					
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234006			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		101 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234001			
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22				
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22				
Surrogate: n-Nonane		60.2 %	50-200		08/15/22	08/15/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234010			
Chloride	875	20.0		1	08/15/22	08/15/22				



Sample Data										
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 0105	volf 1-12 ( 58-0007 ley Maxwo				<b>Reported:</b> 8/16/2022 3:18:35PM			
Cansual NM, 60220	T Tojeet Wian	-					6/10/2022 5.10.551 W			
		SC-73 E208076-21								
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008			
Benzene	ND	0.0250		1	08/15/22	08/15/22				
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22				
Toluene	ND	0.0250		1	08/15/22	08/15/22				
o-Xylene	ND	0.0250		1	08/15/22	08/15/22				
p,m-Xylene	ND	0.0500		1 08/15/22		08/15/22				
Total Xylenes	ND	0.0250	1 08/15/22		08/15/22					
Surrogate: Bromofluorobenzene		98.7 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		105 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		98.7 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		105 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234002			
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22				
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22				
Surrogate: n-Nonane		87.9 %	50-200		08/15/22	08/15/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234011			
Chloride	1370	20.0		1	08/15/22	08/15/22				



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manaş	oer: 0105	volf 1-12 C 58-0007 ley Maxwe				<b>Reported:</b> 8/16/2022 3:18:35PM
		SC-74					
		E208076-22					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234008
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
o-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		102 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		102 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		86.8 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234011
Chloride	723	20.0		1	08/15/22	08/15/22	



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb	ber: 0105	volf 1-12 58-0007				<b>Reported:</b> 8/16/2022 3:18:35PM
Carisbad NM, 88220	Project Mana	-	ey Maxw	en			8/10/2022 5:18:55PM
		SC-75					
		E208076-23					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1 08/15/22		08/15/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234002
Diesel Range Organics (C10-C28)	34.3	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		94.2 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2234011
Chloride	734	20.0		1	08/15/22	08/15/22	



Sample Data										
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num		volf 1-12 ( 58-0007		Reported:					
Carlsbad NM, 88220	Project Man	ager: Ash	ley Maxwo	ell			8/16/2022 3:18:35PM			
		SC-76								
		E208076-24								
		Reporting								
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008			
Benzene	ND	0.0250		1	08/15/22	08/15/22				
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22				
Toluene	ND	0.0250		1	08/15/22	08/15/22				
o-Xylene	ND	0.0250		1	08/15/22	08/15/22				
p,m-Xylene	ND	0.0500		1 08/15/22		08/15/22				
Total Xylenes	ND 0.0250 1 08/15/22		08/15/22							
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22				
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/15/22	08/15/22				
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22				
Surrogate: Toluene-d8		103 %	70-130		08/15/22	08/15/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2234002			
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22				
Oil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22				
Surrogate: n-Nonane		93.4 %	50-200		08/15/22	08/15/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234011			
Chloride	239	20.0		1	08/15/22	08/15/22				



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb	ber: 0105	volf 1-12 58-0007				<b>Reported:</b> 8/16/2022 3:18:35PM
Carisbad NM, 88220	Project Mana	-	ey Maxw	ell			8/10/2022 5:18:55PM
		SC-77					
		E208076-25					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
o,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		101 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		101 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0		1	08/15/22	08/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		92.1 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234011
Chloride	255	20.0		1	08/15/22	08/15/22	



	Sa	mple D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	r: 0105	volf 1-12 C 58-0007 ley Maxwe				<b>Reported:</b> 8/16/2022 3:18:35PM
		SC-78					
	-	E208076-26					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234008
Benzene	ND	0.0250		1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250		1	08/15/22	08/15/22	
Toluene	ND	0.0250		1	08/15/22	08/15/22	
p-Xylene	ND	0.0250		1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500		1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/15/22	08/15/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		08/15/22	08/15/22	
Surrogate: Toluene-d8		104 %	70-130		08/15/22	08/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2234002
Diesel Range Organics (C10-C28)	81.5	25.0		1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	65.3	50.0		1	08/15/22	08/15/22	
Surrogate: n-Nonane		92.4 %	50-200		08/15/22	08/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234011
Chloride	741	20.0		1	08/15/22	08/15/22	



# QC Summary Data

Souder Miller Associates - Carlsbad		Project Name:		awolf 1-12 CT	В1				Reported:
201 S Halagueno St.		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	As	shley Maxwell				8/	16/2022 3:18:35PM
		Volatile Organic	Compo	unds by EPA	A 82601	B			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234006-BLK1)							Prepared: 0	8/15/22 Ana	lyzed: 08/15/22
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			
LCS (2234006-BS1)							Prepared: 0	8/15/22 Ana	lyzed: 08/15/22
· · · · ·	2.03	0.0250	2.50		81.0	70-130	Tiepurea. o	0/10/22 / Illa	1920a. 00/15/22
Benzene	2.03	0.0250	2.50		84.6	70-130			
Ethylbenzene	1.99	0.0250				70-130			
Toluene		0.0250	2.50		79.4				
p-Xylene	2.20	0.0250	2.50		87.9	70-130			
p,m-Xylene	4.23	0.0500	5.00		84.7	70-130			
Total Xylenes	6.43	0.0250	7.50		85.8	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
Matrix Spike (2234006-MS1)				Source: E			Prepared: 0	8/15/22 Ana	lyzed: 08/15/22
Benzene	2.12	0.0250	2.50	ND	84.9	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	93.0	45-135			
Toluene	2.17	0.0250	2.50	ND	86.8	48-130			
p-Xylene	2.38	0.0250	2.50	ND	95.4	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.1	43-135			
Total Xylenes	7.04	0.0250	7.50	ND	93.9	43-135			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			
Matrix Spike Dup (2234006-MSD1)				Source: E208076-05		Prepared: 0	8/15/22 Ana	lyzed: 08/15/22	
Benzene	2.23	0.0250	2.50	ND	89.3	48-131	5.00	23	
Ethylbenzene	2.35	0.0250	2.50	ND	94.0	45-135	1.05	27	
Toluene	2.21	0.0250	2.50	ND	88.4	48-130	1.87	24	
p-Xylene	2.42	0.0250	2.50	ND	97.0	43-135	1.68	27	
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135	1.58	27	
	7.16	0.0250	7.50	ND	95.4	43-135	1.61	27	
Total Xylenes									
Iotal Xylenes Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
	0.511 0.497		0.500 0.500		102 99.3	70-130 70-130			



# QC Summary Data

				•						
Souder Miller Associates - Carlsbad		Project Name:		awolf 1-12 CT	BI				Reported:	
201 S Halagueno St.		Project Number:		058-0007						
Carlsbad NM, 88220		Project Manager:	As	shley Maxwell				8/	16/2022 3:18:35PM	
		Volatile Organic	Compo	unds by EP	A 82601	Analyst: IY				
Analyte		Reporting	Spike	Source		Rec		RPD		
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2234008-BLK1)							Prepared: 0	8/15/22 Ana	yzed: 08/15/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130				
Surrogate: Toluene-d8	0.513		0.500		103	70-130				
-							Duran and A	9/15/22 Ame		
LCS (2234008-BS1)							Prepared: 0	8/15/22 Ana	yzed: 08/15/22	
Benzene	2.20	0.0250	2.50		87.9	70-130				
Ethylbenzene	2.27	0.0250	2.50		90.7	70-130				
Toluene	2.20	0.0250	2.50		88.0	70-130				
o-Xylene	2.13	0.0250	2.50		85.0	70-130				
p,m-Xylene	4.22	0.0500	5.00		84.3	70-130				
Total Xylenes	6.34	0.0250	7.50		84.6	70-130				
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130				
Surrogate: Toluene-d8	0.509		0.500		102	70-130				
Matrix Spike (2234008-MS1)				Source: I	E <b>208070</b> -	02	Prepared: 0	8/15/22 Ana	yzed: 08/15/22	
Benzene	2.20	0.0250	2.50	ND	88.0	48-131				
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135				
Toluene	2.18	0.0250	2.50	ND	87.4	48-130				
o-Xylene	2.18	0.0250	2.50	ND	87.1	43-135				
p,m-Xylene	4.27	0.0500	5.00	ND	85.4	43-135				
Total Xylenes	6.45	0.0250	7.50	ND	85.9	43-135				
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130				
Surrogate: Toluene-d8	0.514		0.500		103	70-130				
Matrix Spike Dup (2234008-MSD1)				Source: I	E <b>208070-</b>	02	Prepared: 0	8/15/22 Ana	yzed: 08/15/22	
Benzene	2.24	0.0250	2.50	ND	89.7	48-131	1.91	23		
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135	3.55	27		
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	4.21	24		
	2.28	0.0250	2.50	ND	88.7	43-135	1.84	24		
o-Xylene				ND		43-135	3.94			
p,m-Xylene	4.44 6.66	0.0500	5.00 7.50	ND ND	88.8 88.8	43-135 43-135	3.94	27 27		
Total Xylenes		0.0250		ND			3.24	21		
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130 70-130				
Surrogate: Toluene-d8	0.510		0.500		102					



## **QC Summary Data**

				ny Duu	<u> </u>						
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	eawolf 1-12 C 1058-0007 shley Maxwell					<b>Reported:</b> 8/16/2022 3:18:35PM		
Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2234006-BLK1)							Prepared: 0	8/15/22	Analyzed: 08/15/22		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130					
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130					
LCS (2234006-BS2)							Prepared: 0	8/15/22	Analyzed: 08/15/22		
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130					
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.7	70-130					
Surrogate: Toluene-d8	0.507		0.500		101	70-130					
Matrix Spike (2234006-MS2)				Source:	E208076-(	05	Prepared: 0	8/15/22	Analyzed: 08/15/22		
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130					
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130					
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130					
Matrix Spike Dup (2234006-MSD2)				Source:	E208076-	05	Prepared: 0	8/15/22	Analyzed: 08/15/22		
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.1	70-130	0.913	20			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130					
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130					



## **QC Summary Data**

Interview of the constraint of the constrai			$\chi \in \mathbb{R}$							
Analyte         Reporting mg/kg         Source mg/kg         Rec mg/kg	201 S Halagueno St.		Project Number:	01	1058-0007					<b>Reported:</b> 8/16/2022 3:18:35PM
Antiryte         Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg		N	onhalogenated O	rganics	by EPA 801	15D - GI	RO			Analyst: IY
Blank (2234008-BLK1)         Prepared: 08/15/22 Analyzed: 08/15/22           Gasoline Range Organics (C6-C10)         ND         20.0           Surrogate: Bromofiliorobenenee         0.488         0.500         97.5         70-130           Surrogate: 1,2-Dichloroethane-d4         0.518         0.500         104         70-130           Surrogate: 1,2-Dichloroethane-d4         0.518         0.500         103         70-130           Surrogate: 70 luene-d8         0.513         0.500         103         70-130           LCS (224008-BS2)         Prepared: 08/15/22 Analyzed: 08/15/	Analyte		Limit	Level	Result		Limits		Limit	
Baseline Range Organics (C6-C10)       ND       20.0         Surrogate: Bromofluorobenzene       0.488       0.500       97.5       70-130         Surrogate: 1,2-Dickloroethane-d4       0.518       0.500       104       70-130         Surrogate: Toluene-d8       0.513       0.300       103       70-130         LCS (2234008-BS2)       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       55.1       20.0       50.0       110       70-130         Surrogate: Bromofluorobenzene       0.495       0.500       90.0       70-130       70-130         Surrogate: I.2-Dickloroethane-d4       0.520       0.500       104       70-130       70-130         Surrogate: I.2-Dickloroethane-d8       0.532       0.500       106       70-130       70-130         Surrogate: I.2-Dickloroethane-d4       0.520       0.500       106       70-130       70-130         Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Surrogate: Toluene-d8       0.535       0.500       98.8       70-130         Surrogate: I.2-Dickloroethane-d4       0.495       0.500       98.8       70-130         Surrogate: Bromofluorobenzene		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
International Control         International Control         Prepared:         No.           Surrogate:         1.2-Dichloroethane-d4         0.518         0.500         104         70-130           Surrogate:         1.2-Dichloroethane-d4         0.513         0.500         103         70-130           LCS (2234008-BS2)         Prepared:         08/15/22         Analyzed:         08/15/22           Gasoline Range Organics (C6-C10)         55.1         20.0         50.0         110         70-130           Surrogate:         1.2-Dichloroethane-d4         0.520         0.500         99.0         70-130           Surrogate:         5.20         0.500         104         70-130         70-130           Surrogate:         1.2-Dichloroethane-d4         0.520         0.500         106         70-130           Matrix Spike (2234008-MS2)         Source:         E208070-02         Prepared:         08/15/22         Analyzed:         08/15/22           Surrogate:         Bromfluorobenzene         0.495         0.500         ND         106         70-130           Surrogate:         Surrogate:         Surrogate:         Surrogate:         Prepared:         08/15/22         Analyzed:         08/15/22           Surrogate:	Blank (2234008-BLK1)							Prepared: 0	8/15/22	Analyzed: 08/15/22
margate 1.2-Dichloroethane-34       0.513       0.500       104       70-130         Surrogate : Toluene-38       0.513       0.500       103       70-130         CLCS (2234008-BS2)       Prepared: 08/15/22       Analyzed: 08/15/22       Analyzed: 08/15/22         Surrogate: Enomofluorobenene       0.495       0.500       90.0       70-130         Surrogate: Toluene-48       0.520       0.500       104       70-130         Matrix Spike (2234008-MS2)       Source: E208070-0C       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: Toluene-48       0.495       0.500       ND       106       70-130       106         Surrogate: Toluene-48       0.535       0.500       ND       106       70-130       106         Surrogate: Toluene-48       0.494       0.500       98.8       70-130       106       107       70-130 <td>Gasoline Range Organics (C6-C10)</td> <td>ND</td> <td>20.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Gasoline Range Organics (C6-C10)	ND	20.0							
Name and a strate of the analysis of the analys	Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
LCS (2234008-BS2)       Prepared: 08/15/22 Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       55.1       20.0       50.0       110       70-130         Surrogate: 1,2-Dichloroethane-d4       0.520       0.500       104       70-130         Surrogate: Tohlene-d8       0.532       0.500       106       70-130         Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22 Analyzed: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: 1,2-Dichloroethane-d4       0.532       0.500       ND       106       70-130         Surrogate: Bromofluorobenzene       0.495       0.500       ND       106       70-130         Surrogate: I,2-Dichloroethane-d4       0.529       20.0       50.0       ND       106       70-130         Surrogate: I,2-Dichloroethane-d4       0.495       0.500       98.8       70-130       50.7       50.7         Matrix Spike Dup (2234008-MS2)       Surrogate: Tohlene-d8       0.535       0.500       107       70-130       50.2       Analyzed: 08/15/22       Analyzed: 08/15/22         Surrogate: Tohlene-d8       0.535       0.500       ND       107<	Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Gasoline Range Organics (C6-C10)       55.1       20.0       50.0       110       70-130         Gasoline Range Organics (C6-C10)       55.1       20.0       50.0       104       70-130         Surrogate: Bromofluorobenzene       0.495       0.500       104       70-130         Surrogate: I.2-Dichloroethane-d4       0.520       0.500       106       70-130         Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: I.2-Dichloroethane-d4       0.495       0.500       98.9       70-130       70-130         Surrogate: I.2-Dichloroethane-d4       0.494       0.500       98.8       70-130       70-130         Matrix Spike Dup (2234008-MSD2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       51.2       20.0       50.0       ND       106       70-130         Matrix Spike Dup (2234008-MSD2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       51.2       20.0       50.0       ND       102       70-130 <td>Surrogate: Toluene-d8</td> <td>0.513</td> <td></td> <td>0.500</td> <td></td> <td>103</td> <td>70-130</td> <td></td> <td></td> <td></td>	Surrogate: Toluene-d8	0.513		0.500		103	70-130			
Andrew Lag, Fright (19710)       101         Surrogate: Bromofluorobenzene       0.495       0.500       99.0       70-130         Surrogate: 1,2-Dichloroethane-d4       0.520       0.500       104       70-130         Surrogate: Toluene-d8       0.532       0.500       106       70-130         Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: 1,2-Dichloroethane-d4       0.495       0.500       98.9       70-130          Surrogate: 1,2-Dichloroethane-d4       0.495       0.500       98.8       70-130          Surrogate: Toluene-d8       0.535       0.500       107       70-130           Matrix Spike Dup (2234008-MSD2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22       Analyzed: 08/15/22         Surrogate: Toluene-d8       0.535       0.500       107       70-130          Surrogate: Toluene-d8       0.533       0.500       107       70-130          Surrogate: Toluene-d8       0.503       0.500       ND       102       70-130	LCS (2234008-BS2)							Prepared: 0	8/15/22	Analyzed: 08/15/22
Surrogate: 1/2-Dichloroethane-d4       0.520       0.500       104       70-130         Surrogate: 70luene-d8       0.532       0.500       106       70-130         Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organies (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: 1/2-Dichloroethane-d4       0.495       0.500       98.9       70-130	Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organies (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: I/2-Dichloroethane-d4       0.495       0.500       98.9       70-130	Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Matrix Spike (2234008-MS2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       52.9       20.0       50.0       ND       106       70-130         Surrogate: Bromofluorobenzene       0.495       0.500       98.9       70-130         Surrogate: 1,2-Dichloroethane-d4       0.494       0.500       98.8       70-130         Matrix Spike Dup (2234008-MSD2)       Source: E208070-02       Prepared: 08/15/22       Analyzed: 08/15/22         Gasoline Range Organics (C6-C10)       51.2       20.0       50.0       ND       102       70-130         Surrogate: Bromofluorobenzene       0.503       0.500       ND       102       70-130       3.23       20         Surrogate: I,2-Dichloroethane-d4       0.499       0.500       101       70-130       3.23       20         Matrix Spike Dup (2234008-MSD2)       51.2       20.0       50.0       ND       102       70-130       3.23       20         Gasoline Range Organics (C6-C10)       51.2       20.0       50.0       ND       102       70-130       3.23       20         Surrogate: I,2-Dichloroethane-d4       0.499       0.500       99.8       70-130       3.23       20 <td>Surrogate: 1,2-Dichloroethane-d4</td> <td>0.520</td> <td></td> <td>0.500</td> <td></td> <td>104</td> <td>70-130</td> <td></td> <td></td> <td></td>	Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Image: Construction of the state of the	Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Surrogate:         Div         98.9         70-130           Surrogate:         0.495         0.500         98.8         70-130           Surrogate:         1,2-Dichloroethane-d4         0.494         0.500         98.8         70-130           Surrogate:         10,234008-MSD2)         0.535         0.500         107         70-130           Matrix Spike Dup (2234008-MSD2)         Source:         E208070-02         Prepared:         08/15/22         Analyzed:         08/15/22           Gasoline Range Organics (C6-C10)         51.2         20.0         50.0         ND         102         70-130         3.23         20           Surrogate:         1,2-Dichloroethane-d4         0.499         0.500         101         70-130         3.23         20	Matrix Spike (2234008-MS2)				Source:	E208070-(	02	Prepared: 0	8/15/22	Analyzed: 08/15/22
Surrogate: 1,2-Dichloroethane-d4       0.494       0.500       98.8       70-130         Surrogate: 7.12-Dichloroethane-d4       0.535       0.500       107       70-130         Matrix Spike Dup (2234008-MSD2)       Source: E208070-02       Prepared: 08/15/22         Gasoline Range Organics (C6-C10)       51.2       20.0       50.0       ND       102       70-130       3.23       20         Surrogate: 1,2-Dichloroethane-d4       0.499       0.500       99.8       70-130       3.23       20	Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: Toluene-d8     0.535     0.500     107     70-130       Matrix Spike Dup (2234008-MSD2)     Source: E208070-02     Prepared: 08/15/22     Analyzed: 08/15/22       Gasoline Range Organies (C6-C10)     51.2     20.0     50.0     ND     102     70-130     3.23     20       Surrogate: Bromofluorobenzene     0.503     0.500     101     70-130     3.23     20       Surrogate: 1,2-Dichloroethane-d4     0.499     0.500     99.8     70-130	Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Matrix Spike Dup (2234008-MSD2)         Source: E208070-02         Prepared: 08/15/22         Analyzed: 08/15/22           Gasoline Range Organics (C6-C10)         51.2         20.0         50.0         ND         102         70-130         3.23         20           Surrogate: Bromofluorobenzene         0.503         0.500         101         70-130         3.23         20           Surrogate: 1,2-Dichloroethane-d4         0.499         0.500         99.8         70-130         3.23         20	Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Gasoline Range Organics (C6-C10)         51.2         20.0         50.0         ND         102         70-130         3.23         20           Surrogate: Bromofluorobenzene         0.503         0.500         101         70-130         3.23         20           Surrogate: 1,2-Dichloroethane-d4         0.499         0.500         99.8         70-130         3.23         20	Surrogate: Toluene-d8	0.535		0.500		107	70-130			
Surrogate: Bromofluorobenzene         0.503         0.500         101         70-130           Surrogate: 1,2-Dichloroethane-d4         0.499         0.500         99.8         70-130	Matrix Spike Dup (2234008-MSD2)				Source:	E208070-(	02	Prepared: 0	8/15/22	Analyzed: 08/15/22
Surrogate: 1,2-Dichloroethane-d4 0.499 0.500 99.8 70-130	Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130	3.23	20	
	Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: Toluene-d8 0.527 0.500 105 70-130	Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
	Surrogate: Toluene-d8	0.527		0.500		105	70-130			



## **QC Summary Data**

		QC D		ary Data					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Seawolf 1-12 CT 01058-0007					Reported:
Carlsbad NM, 88220		Project Manager:		Ashley Maxwell					8/16/2022 3:18:35PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234001-BLK1)							Prepared: 0	8/15/22 A	Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			
LCS (2234001-BS1)							Prepared: 0	8/15/22 A	Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2234001-MS1)				Source: l	E208076-	18	Prepared: 0	8/15/22 A	Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			
Matrix Spike Dup (2234001-MSD1)				Source: l	E <b>208076</b> -	18	Prepared: 0	8/15/22 A	Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	2.89	20	
Surrogate: n-Nonane	36.4		50.0		72.8	50-200			



## **QC Summary Data**

		QC D	u 111111	ary Data	4				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(	Seawolf 1-12 C 01058-0007 Ashley Maxwell					<b>Reported:</b> 8/16/2022 3:18:35PM
	Nonh	alogenated Org				/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234002-BLK1)							Prepared: 0	8/15/22 A	nalyzed: 08/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			
LCS (2234002-BS1)							Prepared: 0	8/15/22 A	analyzed: 08/15/22
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			
Matrix Spike (2234002-MS1)				Source:	E208076-	24	Prepared: 0	8/15/22 A	analyzed: 08/15/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	39.6		50.0		79.1	50-200			
Matrix Spike Dup (2234002-MSD1)				Source:	E208076-	24	Prepared: 0	8/15/22 A	analyzed: 08/15/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	0.0141	20	
Surrogate: n-Nonane	38.7		50.0		77.4	50-200			



# **QC Summary Data**

		-		v					
Souder Miller Associates - Carlsbad		Project Name:		eawolf 1-12 C	TB 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	A	shley Maxwel	1				8/16/2022 3:18:35PM
		Anions	by EPA	300.0/90564	۸				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234010-BLK1)							Prepared: 0	8/15/22	Analyzed: 08/15/22
Chloride	ND	20.0							
LCS (2234010-BS1)							Prepared: 0	8/15/22	Analyzed: 08/15/22
hloride	243	20.0	250		97.0	90-110			
LCS Dup (2234010-BSD1)							Prepared: 0	8/15/22	Analyzed: 08/15/22
Chloride	245	20.0	250		97.9	90-110	0.922	20	



## **QC Summary Data**

		_		·					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		Seawolf 1-12 C 01058-0007	TB 1				Reported:
Carlsbad NM, 88220		Project Manager:		Ashley Maxwel	1				8/16/2022 3:18:35PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234011-BLK1)							Prepared: 0	8/15/22	Analyzed: 08/15/22
Chloride	ND	20.0							
LCS (2234011-BS1)							Prepared: 0	8/15/22	Analyzed: 08/16/22
Chloride	249	20.0	250		99.7	90-110			
LCS Dup (2234011-BSD1)							Prepared: 0	8/15/22	Analyzed: 08/16/22
Chloride	244	20.0	250		97.5	90-110	2.17	20	

QC Summary Report Comment:

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



## **Definitions and Notes**

Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	08/16/22 15:18

ND	Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Chain	of	Custody
C	<u> </u>	

Page 1 of 3

Bill To       Dubble Only       Tat       Department         Defect Manager / Standard / Hord L       Attention:       BOVO //       Tat D 30       Processor       Standard Multure - Account // Standard //       Standard //       Standard Multure - Account // Standard //       Standar	oject Inf	ormation	n					Chain	of Custo	Jγ								RU	St	+			
International Construction         Attention:         Description         Description <thdescripti< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Pill To</td><td>7</td><td></td><td></td><td></td><td>12</td><td>blls</td><td>e Onl</td><td>V</td><td>2</td><td>T</td><td></td><td>1.0</td><td>E</td><td>PA Progra</td><td></td></thdescripti<>								Pill To	7				12	blls	e Onl	V	2	T		1.0	E	PA Progra	
Object:         Construction	lient: So	udur M	illeroA	ssociates							lah l	104					per	1		50			SDWA
Concernment         Concernment <thconcernment< th=""> <thconcernment< th=""></thconcernment<></thconcernment<>	roject: S	eawolf	1-12 CI	TBI						8	ØF	20	80	70	DIO	58-	000	75					
addressively Service       Figure 200       Fig	roject M	anager:	Heather	Moods							4C	20	00										
Email:         Email:         Image: Second due by:         Image: Second due by: <td>ddress:</td> <td>COIS H</td> <td>alague</td> <td>no st</td> <td>10</td> <td></td> <td>T</td> <td></td> <td></td> <td>1</td> <td>T</td> <td></td> <td>NM CC</td> <td>UTA</td>	ddress:	COIS H	alague	no st	10											T			1	T		NM CC	UTA
samples       samples       1       Science       Science       1       Science       Science       1       Science       Science <td>ity, State</td> <td>e, Zip<mark>(ar</mark></td> <td>1sbaay</td> <td>VINGOL</td> <td>20</td> <td></td> <td></td> <td></td> <td>26.81</td> <td></td> <td>5</td> <td>5</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>X</td> <td></td>	ity, State	e, Zip <mark>(ar</mark>	1sbaay	VINGOL	20				26.81		5	5				1				1		X	
samples       samples       1       Science       Science       1       Science       Science       1       Science       Science <td></td> <td>801</td> <td>801</td> <td>_</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>_  </td> <td></td> <td></td> <td>TX OF</td> <td></td>											801	801	_			2			_			TX OF	
samples       samples       1       Science       Science       1       Science       Science       1       Science       Science <td></td> <td></td> <td></td> <td></td> <td></td> <td>EOU</td> <td># 7.098</td> <td>27302</td> <td></td> <td></td> <td>yd (</td> <td>M</td> <td>802</td> <td>1260</td> <td>010</td> <td>300</td> <td></td> <td></td> <td>NN</td> <td>ž</td> <td></td> <td></td> <td></td>						EOU	# 7.098	27302			yd (	M	802	1260	010	300			NN	ž			
samples       samples       1       Science       Science       1       Science       Science       1       Science       Science <td>eport du</td> <td>ie by:</td> <td>r</td> <td>1</td> <td></td> <td></td> <td>0 1.</td> <td>0</td> <td></td> <td>ah</td> <td>/ORI</td> <td>/DR(</td> <td>A V</td> <td>Å</td> <td>als 6</td> <td>lide</td> <td></td> <td></td> <td>S</td> <td>. JO</td> <td></td> <td>Ro</td> <td>marks</td>	eport du	ie by:	r	1			0 1.	0		ah	/ORI	/DR(	A V	Å	als 6	lide			S	. JO		Ro	marks
Seq (5)       J// ZZ       Sol 1       SC - 54       Z       X       X       X         Seq (0)       B/1/2Z       Sol 1       SC - 54       Z       X <td< td=""><td>Time Sampled</td><td></td><td>Matrix</td><td>0 11 CP 2010-10</td><td>Sample ID</td><td></td><td></td><td></td><td>100</td><td></td><td>DRO</td><td>GRO</td><td>BTE</td><td>VOC</td><td>Met</td><td>Chto</td><td></td><td></td><td>BGD</td><td>BGD</td><td></td><td></td><td>marka</td></td<>	Time Sampled		Matrix	0 11 CP 2010-10	Sample ID				100		DRO	GRO	BTE	VOC	Met	Chto			BGD	BGD			marka
Signed of the server shows and the server show server shows and the server shows an	0907	8/11/22	Soil	1	SC- 53					[								)	×				
0911       011/22       0311       1       SC-35       1       X       1         0912       8/11/22       Soil       1       SC-55       1       X       1         0913       8/11/22       Soil       1       SC-57       5       1       X       1         0913       8/11/22       Soil       1       SC-57       5       1       X       1         0914       8/11/22       Soil       1       SC-57       5       1       X       1         0915       8/11/22       Soil       1       SC-57       7       1       X       1         0916       8/11/22       Soil       1       SC-57       7       1       X       1         0917       8/11/22       Soil       1       SC-62       8       1       X       1         0917       8/11/22       Soil       1       SC-62       10       1       X       1         0918       9/11/22       Soil       1       SC-62       10       1       X       1         1/16d amolet.       Issignature       Issignature       Issignature       Issignature       Issignature       Issi	0190	8/11/22	5011	1	5C- 54														X				,ł
GY12	0911	8/11/22	5011	ľ	5C-55				14	2			<u> </u>						X				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0912	8/11/22	5011	1	SC-56				(	Ł					-			_	X				
ST(4)       011/22 SO11       7       SC 50       7       0       X       0         09(5       211/22 SO11       1       SC - 59       7       0       X       0         09(6       8/11/22 SO11       1       SC - 60       8       0       X       0         09(7       8/11/22 SO11       1       SC - 60       8       0       X       0         09(7       8/11/22 So11       1       SC - 60       9       0       X       0         09(8       8/11/22 So11       1       SC - 602       10       0       X       0         Additional Instructions:       1       SC - 602       10       X       0       0       10       X       0         1fad ample*1 stest to the validity and authenticity of this sample. Tam avare that tampering with or intentionally midabelling the sample location. dite or trans of an up time abuse 0 but less the 1° cm tampering with science of the 10       10	0913	8/11/22	5011	1	SC- 57		-		-		-	-	_	-					X				
COMPARE DURY OF THE ADDRESS DECEMBENDING       Date       Time       Time <td< td=""><td>0914</td><td>8/11/23</td><td>25011</td><td>)</td><td>5C- 58</td><td></td><td></td><td>Y</td><td>(</td><td>0</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>X</td><td></td><td><math>\left  \right </math></td><td></td><td></td></td<>	0914	8/11/23	25011	)	5C- 58			Y	(	0				-					X		$\left  \right $		
OPIN       8/11/22       Soil       1       SC-C02       10       X       10         OPIN       8/11/22       Soil       1       SC-C02       10       X       10         Additional Instructions:	0915	8/11/27	2 501	)	SC- 50	5				1			-	-		<u> </u>			X				
OP(1)       8/11/22       Soil       School       School       School       Note         OP(8)       8/11/22       Soil       1       School       Note       Not	09(4	8/11/2	2 5011	)	SC- LO	0					-		1							-			-
Ø18       Ø1/22       Soil       School       <	0917	8/11/22	2 5011	1	sc- Le	l			(	1	_		1										
(field sampler), strest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or       Samples recurring thermal preservation autor be received on ce the day, they are sample for considered fraud and may be grounds for legal action. Sampled by:         Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       T	0918	8/11/2	5 2011	1	5c-6	2				0								<u>i</u> 4	X				
(feld sampler), sitest to the validity and authenticity of this sample. Tam avare that tampering with or interticibation date of totactor, base of the validity and authenticity of this sample. Tam avare that tampering with or interticibation date of totactor, base of totactor,	Addition	nalInstru	actions:													4						the day they a	e sampled of
time of tolgetion is considered fraud and may be grounds for legal action. Sampled by:       Sampled by:       Signature)       Date       Time       Lab Use Only         Relinquished by:       (Signature)       Date       Time       Received by:       (Signature)       Date       Time       V/ N         Relinquished by:       (Signature)       Date       Time       Received by:       (Signature)       Date       Time       Time       V/ N         Relinquished by:       (Signature)       Date       Time       Received by:       (Signature)       Date       Time       Time       Time         Relinquished by:       (Signature)       Date       Time       Received by:       (Signature)       Date       Time       Time       Time         Relinquished by:       (Signature)       Date       Time       Received by:       Signature)       Time       Time <td>, (fie'd samp</td> <td>oler), attest to</td> <td>the validity an</td> <td>d authenticity o</td> <td>of this sample. I am aware</td> <td>that tampering</td> <td>with printentional</td> <td>y mislabelling the sa</td> <td>ample location.</td> <td>date pr</td> <td></td> <td></td> <td></td> <td></td> <td>Samp</td> <td>ed pack</td> <td>ed in ice at</td> <td>tan avg ti</td> <td>emp ab</td> <td>nost de love 3 bi</td> <td>at less than 6</td> <td>C on subsequent</td> <td>davs</td>	, (fie'd samp	oler), attest to	the validity an	d authenticity o	of this sample. I am aware	that tampering	with printentional	y mislabelling the sa	ample location.	date pr					Samp	ed pack	ed in ice at	tan avg ti	emp ab	nost de love 3 bi	at less than 6	C on subsequent	davs
Relinquished by: (Signature)       Date       Time       Releived by: (Signature)       Date       Time	time of colle	ction is consid	dered fraud an	nd may be groun	ids for legal action. Sample	d by:			A			lee	-			-							
Relinquistied by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C		hed by: (Sig	gnature)	Dat	e Time	DO	poille	XIIIken	gh Dat	1-12	66			P/	Re	ceive	ed on	ice:					
Relinquisted by: (Signature) Date nime Received by: (Signature) AVG Temp °C	Relinquis	hed by (Si	and the	Dat	F-12-22 Time	15 1	Min	NK	2	1P	12		~	5C	) <u>11</u>				<u>T2</u>			<u></u>	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinquis	ed by: (Si	gnature)	Da	e Time	40-	Received by! (Sig	grature)	Da	te -									4	-			
Comple Matrix 5 - 501, 30 - 2010, 35 - 300056, A - Agecous, C - 544		1	Ed Callel	Se Sludes A	Acteors O Other				Co	ntain	ner Ty	pe: g	- glas	ss, p -	poly/	plast	ic, ag -	- amb	er gl	ass, v	- VOA		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		1	and ad an da	- aftar racult	s are reported upless of	her arrangem	nents are made H	Hazardous sample	es will be retu	rned to	client	or dis	posed	of at th	ne clien	t expe	nse The	e repor	t for	the an	al vsis of th	e spove sam;	oies is appl

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Client: Souder Muller	( a Ass	xiates	Bill To				La	b Us	e On				AT		PA Progr	
Project: Seawolf +12	CTBI		Attention: OCVON		Lab	WO#	~~~	71	I dol			1D	3D	RCRA	CWA	SDWA
Project Manager: Heatw	in mar	<u>IS</u>	Address:		PE	20	60				-0007	X				ate
Address: 201 Stalac City, State, Zip Cay Shoc	LIUS	20220	City, State, Zip Phone:		L	- T			Analy	sis ar	nd Metho		<b></b>			UT AZ
Phone:	X, NOW M	Jocce	Email:		5	2									X	
Email:					8015	801	_			0					TX OF	
Report due by:			W0#20987302		(d C)	Vd Oi	802	8260	2010	900 e		NN-	X			
Time Date Matrix Sampled	No Containers	Sample ID		Lab Number	Vd CORO/ONCI	GRO/DRO by 8015	BTEX by 802:	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC-1X		Re	marks
0919 3/11/22 501/		SC- 63		11								X				
0920 8/11/22 5011	<u>I</u>	SC-64		12								X				
0923 8/11/22 5011	I	SC - 65		13		2						X				and the second
0924 8/11/22 5011	1	SC-64		14								X				
0925 3/11/22 501)		56-67	and the second	15								X				
0926 8/11/22 501/		SC-68		Ile								X				
0927 3/11/22 5011		SC-69		1.F								X	-			
0928 8/11/22 5011	1	SC-70		18	ļ							X	-			
0929 8/11/22 SOIT	/	SC-71		19							<u>     </u>	X	-			
0931 8/11/22 5011	1	SC-72		120								X				
Additional Instructions:																
(fie'd sampler), attest to the validity and time of collection is considered fraud and				location, date or											the day they are on subsequent d	
Relinquished by: (Signature)			Received by: (Signature)	Date 842-De	4	Time	0		Rec	eive	d on ice:	-	ab U	se Only I		
Refinduished by (Senature)	Date 4. Date		A CONTRACTIVE Devices of the second devices	Date Date	2	Time 9 Time	:5	O	<u></u>			<u>T2</u>	en e com		<u>T3</u>	
Relinquished by: (Signature)	Date		Received by: (Signature)	2		Ľ.,					mp°c_L	-	-			
Sample Matrix: S - Soil, Sd - Solid, Sg											c, ag - aml				in a samela	is applicate
			her arrangements are made. Hazardous samples will bility of the laboratory is limited to the amount paid fi			dispos	ea or	at the	Cient e	expens	se merepo	nt for t	ne and	v515 Ur18 a	Dove san pie	9.090.446.0.6
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City, Stat	te, Zip 🕻 🧭	insta	id, NU	N 882200	Phone:												NM CO	UT AZ
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	_	Lab Number	2108 V4 C) 2015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC		Rer	narks
0932	8/11/22	501	1	SC-73		15								X				
0933	8/11/22	5011	1	SC-74		22								X				
0934	8/11/22	5021	()	SC - 75		23								X				
0935	8/11/22	5011	1	SC-76		24								X				
0939	8/11/22	5011	1	SC-77		25								X				
0940	8/11/22	Soll	t	SC-78		26								X				
	-					8	-											
						2												
Addition	nal Instru	ctions:																
				this sample. I am aware th Is for legal action. Sampled	at tampering with printentionally mislabelling the sampl	le location, date or			_								the day they are s on subsequent da	
Relinquist	hed by: (Sign	atureh	Date	11/22 Time		Date F-A-	77	Time	ill	20	Rec	eiveo	d on ice:		Lab U	se Only I		
	ned by: (Sigr	nature	Date	Loon Cil	Received by: (signature)	Date S/G	22	Time 9	:5	0	T1			<u>T2</u>			<u>T3</u>	
	ned by: (Sigi	and the second	Date	: Time	Received by: (Signature)	Date		Time			AVG	G Ter	np °C_	4				
Sample Ma	atrix: S - Soil. S	Sd - Solid, Sg	Sludge, A - J	Aqueous, O - Other		Containe	r Typ	e: g ·	glass	, p - p			, ag - aml	per gl	ass, v	- VOA		
Note: Sam	ples are disca	rded 30 days	after results	are reported unless othe	r arrangements are made. Hazardous samples wi ity of the laboratory is limited to the amount paid	il be returned to c	lient o										sbove samples	is applicabl
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Chain of Custody

Page 3 of 3

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	Date Received:	08/15/22	09:50	Work Order ID:	E208076
Phone:	(505) 325-7535	Date Logged In:	08/12/22	15:48	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	08/15/22	17:00 (0 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	n the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: UPS		
4. Was t	the COC complete, i.e., signatures, dates/times, requested	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
<u>Sample</u>	<u> Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are n		Yes			
12 If m	minutes of sampling		c			
	o visible ice, record the temperature. Actual sample to	mperature: $\frac{4}{4}$	<u> </u>			
	<u>e Container</u>		N			
	aqueous VOC samples present?		No NA			
	VOC samples collected in VOA Vials? he head space less than 6-8 mm (pea sized or less)?		NA			
			NA			
	s a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		Yes			
10. AIC	e appropriate volume/weight or number of sample containers?	rs collected?	Yes			
10 Ic the		is concelled?	105			
Field La		nation:				
Field La 20. Wer	re field sample labels filled out with the minimum inform	nation:	Yes			
Field L: 20. Wer		nation:	Yes Yes			
Field La 20. Wer	re field sample labels filled out with the minimum inform Sample ID?	nation:	Yes Yes No			
Field La 20. Wer	re field sample labels filled out with the minimum infor Sample ID? Date/Time Collected?	nation:	Yes			
Field La 20. Wer Sample 21. Doe	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were pre-		Yes No No			
Field La 20. Wer Sample 21. Doe 22. Are	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were pre- sample(s) correctly preserved?	served?	Yes No No NA			
Field La 20. Wer Sample 21. Doe 22. Are	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were pre-	served?	Yes No No			
Field L: 20. Wer <u>Sample</u> 21. Doe 22. Are 24. Is la	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were pre- sample(s) correctly preserved?	served?	Yes No No NA			
Field L: 20. Wer Sample 21. Doe 22. Are 24. Is la Multipl	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation so the COC or field labels indicate the samples were pre- sample(s) correctly preserved? ab filteration required and/or requested for dissolved me	served? tals?	Yes No No NA			
Field L: 20. Wer 20. Wer 21. Doe 22. Are 24. Is la Multipl 26. Doe	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation so the COC or field labels indicate the samples were pre- sample(s) correctly preserved? ab filteration required and/or requested for dissolved me hase Sample Matrix	served? tals? ?	Yes No No NA No			
Field L: 20. Wer 21. Doe 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation res the COC or field labels indicate the samples were pre- sample(s) correctly preserved? ab filteration required and/or requested for dissolved me hase Sample Matrix res the sample have more than one phase, i.e., multiphase	served? tals? ?	Yes No NA No No			
Field L: 20. Wer 21. Doe 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye Subcon	re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were pre- sample(s) correctly preserved? ab filteration required and/or requested for dissolved me hase Sample Matrix es the sample have more than one phase, i.e., multiphase es, does the COC specify which phase(s) is to be analyz	served? tals? ? ed?	Yes No NA No No			

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Seawolf 1-12 CTB 1

Work Order: E208097

Job Number: 01058-0007

Received: 8/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/19/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 8/19/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Seawolf 1-12 CTB 1 Workorder: E208097 Date Received: 8/18/2022 10:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2022 10:00:00AM, under the Project Name: Seawolf 1-12 CTB 1.

The analytical test results summarized in this report with the Project Name: Seawolf 1-12 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

ljarboe@envirotech-inc.com

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

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

Envirotech Web Address: www.envirotech-inc.com


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Sample	Summary
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		Sample Sum	mai y		
Souder Miller Associates - Carlsbad	5		Seawolf 1-12 CTB 1		Reported:
201 S Halagueno St.		Project Number:	01058-0007		
Carlsbad NM, 88220		Project Manager:	Heather Woods		08/19/22 14:15
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-79	E208097-01A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.
SC-80	E208097-02A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.
SC-81	E208097-03A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.
SC-82	E208097-04A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.
SC-83	E208097-05A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.
SC-84	E208097-06A	Soil	08/17/22	08/18/22	Glass Jar, 2 oz.



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name	e: Seav	Seawolf 1-12 CTB 1				
201 S Halagueno St.	Project Num	ber: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	nger: Heat	ther Woods				8/19/2022 2:15:06PM
		SC-79					
		E208097-01					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
p-Xylene	ND	0.0250		1	08/18/22	08/18/22	
o,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		104 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		104 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2234071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/18/22	08/18/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		77.8 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2234058
Chloride	ND	20.0		1	08/17/22	08/18/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Name	e: Seav	volf 1-12 (				
201 S Halagueno St.	Project Num	ber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	nger: Hea	ther Wood	s			8/19/2022 2:15:06PM
		SC-80					
		E208097-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
o-Xylene	ND	0.0250		1	08/18/22	08/18/22	
p,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		104 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		104 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234071
Diesel Range Organics (C10-C28)	25.5	25.0		1	08/18/22	08/18/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		74.2 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234058
Chloride	ND	20.0		1	08/17/22	08/18/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 0105	volf 1-12 C 58-0007 ther Woods		<b>Reported:</b> 8/19/2022 2:15:06PM		
		SC-81					
		E208097-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
p-Xylene	ND	0.0250		1	08/18/22	08/18/22	
p,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	ЛL		Batch: 2234071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/18/22	08/18/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		86.0 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234058
Chloride	26.7	20.0		1	08/17/22	08/18/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam		wolf 1-12 (		D (1		
201 S Halagueno St.	Project Num		58-0007	_			<b>Reported:</b> 8/19/2022 2:15:06PM
Carlsbad NM, 88220	Project Man	ager: Hea	ther Woods	s			8/19/2022 2:15:06PM
		SC-82					
		E208097-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
o-Xylene	ND	0.0250		1	08/18/22	08/18/22	
p,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/18/22	08/18/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		84.0 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2234058
Chloride	ND	20.0		1	08/17/22	08/18/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad	Project Nam	e: Seav	volf 1-12				
201 S Halagueno St.	Project Num	ber: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Heat	ther Wood	ls			8/19/2022 2:15:06PM
		SC-83					
		E208097-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
p-Xylene	ND	0.0250		1	08/18/22	08/18/22	
p,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		102 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		102 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2234071
Diesel Range Organics (C10-C28)	31.1	25.0		1	08/18/22	08/18/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		86.8 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234058
Chloride	54.7	20.0		1	08/17/22	08/18/22	



	S	Sample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 010	volf 1-12 58-0007 ther Wood		<b>Reported:</b> 8/19/2022 2:15:06PM		
	•	<u>-</u> SC-84					
		E208097-06					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Benzene	ND	0.0250		1	08/18/22	08/18/22	
Ethylbenzene	ND	0.0250		1	08/18/22	08/18/22	
Toluene	ND	0.0250		1	08/18/22	08/18/22	
o-Xylene	ND	0.0250		1	08/18/22	08/18/22	
p,m-Xylene	ND	0.0500		1	08/18/22	08/18/22	
Total Xylenes	ND	0.0250		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2234061
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/18/22	08/18/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/18/22	08/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/18/22	08/18/22	
Surrogate: Toluene-d8		103 %	70-130		08/18/22	08/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2234071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/18/22	08/18/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/18/22	08/18/22	
Surrogate: n-Nonane		81.0 %	50-200		08/18/22	08/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2234058
Chloride	100	20.0		1	08/17/22	08/18/22	



# **QC Summary Data**

		<b>X</b> <sup>2</sup> <sup>2</sup>			-				
Souder Miller Associates - Carlsbad		Project Name:	S	eawolf 1-12 CT	В 1				Reported:
201 S Halagueno St.		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	Н	leather Woods				8/19/2022 2:15:06PM	
	Volatile Organic Compounds by EPA 8260E								Analyst: IY
Analyte	D li	Reporting Limit	Spike	Source Result		Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	Level mg/kg	mg/kg	Rec %	%	%	2000 M	Notes
	00	6 6	00	6 6	,,,			,,,	
Blank (2234061-BLK1)							Prepared: 08	8/18/22 Aı	nalyzed: 08/18/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			
LCS (2234061-BS1)							Prepared: 08	8/18/22 Aı	nalyzed: 08/18/22
Benzene	2.31	0.0250	2.50		92.4	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.3	70-130			
Toluene	2.17	0.0250	2.50		86.9	70-130			
o-Xylene	2.33	0.0250	2.50		93.4	70-130			
p,m-Xylene	4.53	0.0500	5.00		90.6	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.471		0.500		94.2	70-130			
LCS Dup (2234061-BSD1)							Prepared: 08	8/18/22 Aı	nalyzed: 08/19/22
Benzene	2.27	0.0250	2.50		90.9	70-130	1.64	23	
Ethylbenzene	2.33	0.0250	2.50		93.0	70-130	0.279	27	
Toluene	2.20	0.0250	2.50		88.2	70-130	1.46	24	
o-Xylene	2.41	0.0250	2.50		96.2	70-130	2.97	27	
p,m-Xylene	4.72	0.0500	5.00		94.4	70-130	4.14	27	
Total Xylenes	7.12	0.0250	7.50		95.0	70-130	3.75	27	
			0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		105	70 150			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.515 0.476		0.500		95.2	70-130			



## **QC Summary Data**

		Y V V		i j Duu					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	eawolf 1-12 C 1058-0007 leather Woods	TB 1				<b>Reported:</b> 8/19/2022 2:15:06PM
	No	onhalogenated O	rganics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2234061-BLK1)							Prepared: 0	8/18/22 A	nalyzed: 08/18/22
Gasoline Range Organics (C6-C10)	ND	20.0					1		
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			
LCS (2234061-BS2)							Prepared: 0	8/18/22 A	nalyzed: 08/19/22
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		90.0	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS Dup (2234061-BSD2)							Prepared: 0	8/18/22 A	nalyzed: 08/19/22
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130	7.25	20	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



## **QC Summary Data**

			Reported:
			-
			8/19/2022 2:15:06PM
RO			Analyst: JL
Rec Limits	RPD	RPD Limit	
%	%	%	Notes
	Prepared: 08	8/18/22	Analyzed: 08/18/22
0-200			
	Prepared: 08	8/18/22	Analyzed: 08/18/22
8-132			
0-200			
	Prepared: 08	8/18/22	Analyzed: 08/18/22
8-132	0.367	20	
	Rec .imits % 0-200 8-132 0-200	Rec imits RPD % % Prepared: 0 0-200 Prepared: 0 8-132 0-200 Prepared: 0	Rec imits RPD RPD RPD Limit   % % %   Prepared: 08/18/22   0-200 Prepared: 08/18/22   8-132 0-200 Prepared: 08/18/22



## **QC Summary Data**

		_		e						
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		eawolf 1-12 C 1058-0007	TB 1				Reported:	
Carlsbad NM, 88220		Project Manager:		Heather Woods				8/19/2022 2:15:06PM		
		Anions	by EPA	300.0/90564	۱				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2234058-BLK1)							Prepared: 0	8/17/22	Analyzed: 08/17/22	
Chloride	ND	20.0								
LCS (2234058-BS1)							Prepared: 0	8/17/22	Analyzed: 08/17/22	
Chloride	263	20.0	250		105	90-110				
LCS Dup (2234058-BSD1)							Prepared: 0	8/17/22	Analyzed: 08/17/22	
Chloride	254	20.0	250		101	90-110	3.47	20		

QC Summary Report Comment:

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



### **Definitions and Notes**

-				
	Souder Miller Associates - Carlsbad	Project Name:	Seawolf 1-12 CTB 1	
	201 S Halagueno St.	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Heather Woods	08/19/22 14:15

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



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Chain of Custody

Bill To

Page \_\_\_\_\_ of \_\_\_\_

State

NM CO UT AZ

Remarks

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SDWA

EPA Program

CWA

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RCRA

Lab Use Only

Job Number

Address: 201 5 1 ii City, State, Zip Carl Phone: Email: Report due by:	Junes 15	Phone:   Email:   W0 # 209	87302 Lab	7 108 PM 80 15	GRO/DRO IN 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0
Time Date Mi	No Strix Containers	Sample ID	Numbe	r DIG	GRO	BTE)	VOC	Met	CPIC
Sumple C	1 1	50-79	1						
0748 8/17b3 X		50-80	2						
224518 PULO			3						
0750 817225		50-81	4		T				
07548172250		SC-82	5				T		1
0757817225	ji l	SC-83	U		+		+	1	1
0758 817225	Dil 1	SC-84			+	+		+	
					+	+	+	-	+

Additional Instructions: DRUSE SEND TO	Sarahr	hay Sch	npering wigh or intentionally mislabelling the sample	boation, date or	ngeann	Samples requiring thermal pres	vervation must be received on keit gitemp above 0 but fess than é 10 t	he day, they are sampled or or subsequent days
(field sampler), attest to the validity and part time of collection is considered fraud and ma Relinquished by: (Signature)	y be grounds for lega	Time	Received by: (\$)gnazure)	Dare 8-17-02	Tima: 30	Received on ice:	Lab Use Only	
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Date 8/18/22	Time 10:00 Time	T1	<u>T2</u>	<u>T3</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signatura)	Container Ty		AVG Temp <sup>c</sup> C oly/plastic, ag - am	ber glass, v - VOA	
Sample Matrix: S - Sol. Sd - Solid, Sg - S	ludge. A - Aqueou	orted unless other an	rangements are made Hatardous samples wi	il be returned to client	or disposed of at the	client expense Therep	for the analysis of the	soove san pies is sppree

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ony 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 Note: Samples are discarded 30 days after

2 2 3403



[Client: Souder Miller + Associates

eceived l	by OCD: 1/24/2023 1:57:47 PM	Invirotech	Analytic	cal Laboratory	]	<i>Page 375 oj</i> Printed: 8/18/2022 11:10:29AN
		Sample	Receipt Ch	necklist (SRC)		
	Please take note of any NO checkmarks. no response concerning these items within 24 hours of th	e date of this not	ice, all the sar	mples will be analyzed as re	quested.	
Client:	Souder Miller Associates - Carlsbad	Date Received:	08/18/22 10	:00	Work Order ID:	E208097
Phone: Email:		Date Logged In: Due Date:	08/17/22 16 08/18/22 17	:14 2:00 (0 day TAT)	Logged In By:	Caitlin Christian
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location matc	h the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: UPS		
4. Was the	e COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes			
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in t		Yes		Commer	nts/Resolution
G	i.e, 15 minute hold time, are not included in this disucssion	1.			<u>commen</u>	tes Action
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes			
	· 1		105			
Sample C 7 Was a s	ample cooler received?		Yes			
	was cooler received in good condition?		Yes			
-	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no v	visible ice, record the temperature. Actual sample to	emperature: 4°	С			
Sample C	Container	-				
	jueous VOC samples present?		No			
-	OC samples collected in VOA Vials?		NA			
16. Is the l	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 no	on-VOC samples collected in the correct containers?		Yes			
19. Is the a	appropriate volume/weight or number of sample containe	ers collected?	Yes			
Field Lab						
	field sample labels filled out with the minimum infor- ample ID?	mation:	Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were pre	served?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved me	etals?	NA No			
<u>Multipha</u> :	se Sample Matrix					
26. Does t	the sample have more than one phase, i.e., multiphase	?	No			
27. If yes,	does the COC specify which phase(s) is to be analyz	ed?	NA			
Subcontra	act Laboratory_					
	imples required to get sent to a subcontract laboratory	<i>r</i> ?	No			
	subcontract laboratory specified by the client and if s		NA S	Subcontract Lab: na		

**Client Instruction** 

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



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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	179154
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Cre By	ated	Condition	Condition Date
jn	obui	Deferral Request Approved. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards.	2/14/2023

Action 179154