

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

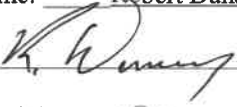
## Closure

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

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

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

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer  
Signature:  Date: 4/11/2022  
email: rhunaway@eprod.com Telephone: 575-628-6802

State of New Mexico  
Oil Conservation Division

Incident ID	Page 2 of 149
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Facility ID	
Application ID	

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: Jennifer Nobui Date: 05/17/2022Printed Name: Jennifer NobuiTitle: Environmental Specialist A



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

April 11, 2022

#5E29921-BG19,BG21

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

SUBJECT: Remediation Closure Report for the Poker Lake Discharge Release (nAPP2130138079) and the Chesapeake PLU Pierce Canyon 16-24-30 Release (nAPP2133323491), Eddy County, New Mexico

## **1.0 Executive Summary**

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a natural gas and condensate releases related to oil and gas production activities at the Poker Lake Discharge Release (nAPP2130138079) and the Chesapeake PLU Pierce Canyon 16-24-30 Release (nAPP2133323491). The release sites are located in Unit B, Section 30, Township 24S, Range 30E, Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5 minute quadrangle map.

This report demonstrates that the release area has been remediated to meet the standards of Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). In addition to meeting the Closure Criteria, the top four feet of impacted areas meet the reclamation requirement of Paragraph (1) of Subsection (D) of 19.15.29.13. The information provided in this report is intended to fulfill final New Mexico Oil Conservation Division (NMOCD) closure requirements.

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

**SMA recommends no further action and requests that the releases associated with the Poker Lake Discharge Release (nAPP2130138079) and the Chesapeake PLU Pierce Canyon 16-24-30 Release (nAPP2133323491) be closed.**

Table 1 summarizes release information and Closure Criteria.

<b>Table 1: Release Information and Closure Criteria</b>			
Name	Poker Lake Discharge Chesapeake PLU Pierce Canyon 16-24-30	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.195055 -103.917213 32.194965 -103.917368
Tracking Number	nAPP2130138079, nAPP2133323491		
Estimated Date of Release	October 27, 2021 November 26, 2021	Date Reported to NMOCD	November 2, 2021 November 29, 2021
Land Owner	Federal	Reported To	NMOCD District II
Source of Release	Leak on a gathering pipeline		

Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30 Closure Report  
April 11, 2022

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Released Volume	294 Mcf, 1.0 bbl 286 Mcf, 1.0 bbl	Released Material	Natural Gas, Condensate
Recovered Volume	0 Mcf, 0 bbl 0 Mcf, 0 bbl	Net Release	294 Mcf, 1.0 bbl 286 Mcf, 1.0 bbl
NMOCD Closure Criteria	>100 feet		
SMA Response Dates	December 6, 2021 and December 16, 2021		

## **2.0 Background**

On October 27, 2021, a natural gas and condensate release was discovered at the Poker Lake Discharge site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. On November 26, 2021, a second release, the Chesapeake PLU Pierce Canyon 16-24-30, was discovered in the same excavated trench as the Poker Lake Discharge site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The initial C-141 forms are included in Appendix A.

## **3.0 Site Information and Closure Criteria**

The Poker Lake Discharge and Chesapeake PLU Pierce Canyon 16-24-30 site is located approximately 24 miles southeast of Carlsbad, New Mexico on Federal (BLM) land at an elevation of approximately 3,170 feet above mean sea level (amsl).

### Depth to Groundwater

Documented water well data (Appendix B), demonstrates a depth to groundwater in the area of greater than 100 feet below grade surface (bgs).

### Wellhead Protection Area

There are two known water sources within ½-mile of the location, according to the Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and USGS National Water Information System. Registered wells in the vicinity are shown on Figure 1.

### Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed tributary to Pierce Canyon, located approximately 1,450 feet to the south.

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

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs in addition to the requirements of reclamation for the upper four feet of impacted soil.



Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30 Closure Report  
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#### **4.0 Release Characterization and Remediation Activities**

On December 6, 2021, following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling. The remediation excavation measured approximately 130 feet by 11 feet with a maximum depth of 7.5 feet.

Nineteen (19) composite confirmation samples were collected from the excavation as well as thirty-nine (39) samples from the stockpile for laboratory analysis for total chloride using United State Environmental Protection Agency USEPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

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. Field Notes are included in Appendix D.

Excavation samples were composed of 5-point composites collected every 200 square feet. Stockpile samples were composed of 5-point composites collected every 200 cubic feet.

Laboratory results indicated that CHBS-03 exceeded the Closure Criteria. On December 16, 2021, following additional excavation of the area of CHBS-03, SMA recollected a base sample (RCHBS-03) at a depth of approximately 13 feet.

Impacted soil was segregated and placed on a liner to transport for disposal.

Excavation extents and closure confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix D. Confirmation laboratory results are summarized in Table 3. Laboratory reports are included in Appendix E.

#### **5.0 Recommendations**

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC. In addition to meeting the Closure Criteria, the top four (4) feet of impacted areas meet the reclamation requirement of Paragraph (1) of Subsection (D) of 19.15.29.13 NMAC.

Laboratory results, with the exception of CHSP-48 and CHSP-50, indicated that the stockpiled soils are within NMOCD closure standards. Therefore, stockpiled soils were used as backfill material and recontoured to return the site to natural contours. The segregated stockpile for CHSP-48 and CHSP-50 were disposed of at Lea Land LLC, located in Hobbs, New Mexico.

SMA recommends no further action and requests closure of Incident Numbers nAPP2130138079 and nAPP2133323491

#### **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.

Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30 Closure Report  
April 11, 2022

Page 4 of 4

If there are any questions regarding this report, please contact Ashley Maxwell at 505-320-8975.

Submitted by:  
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell  
Project Scientist



Reid S. Allan, P.G.  
Sr. Vice President

**REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database  
[https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 11/4/2021

USGS Water Resources National Water Information System: Web Interface USGS 321205103544701  
24S.30E.19.42113 ; accessed 11/4/2021

**ATTACHMENTS:**

**Figures:**

Figure 1: Site Map  
Figure 2: Surface Water Protection Map  
Figure 3: Site and Sample Location Map

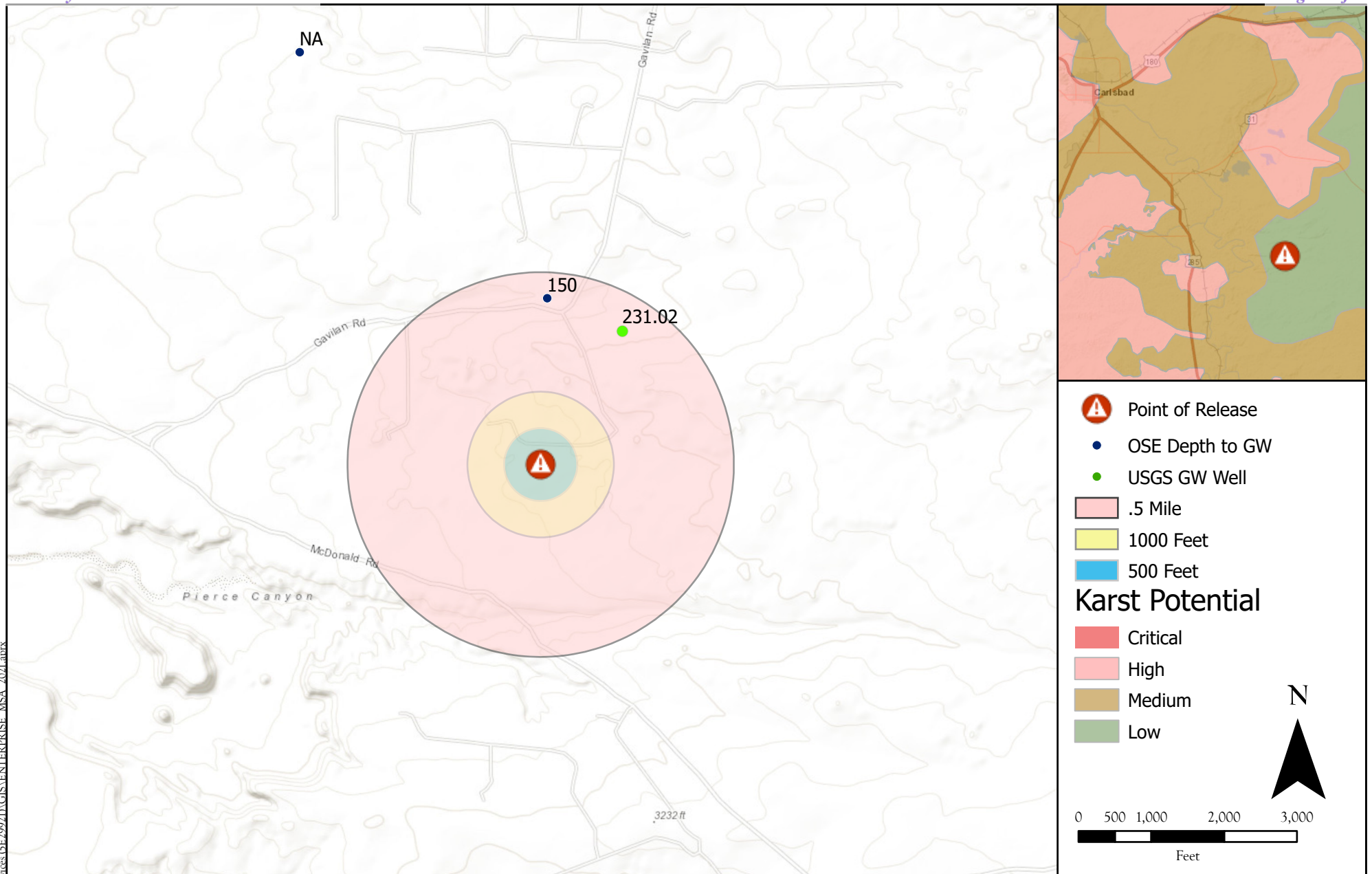
**Tables:**

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

**Appendices:**

Appendix A: Form C-141  
Appendix B: NMOSE Wells Report  
Appendix C: Sampling Protocol  
Appendix D: Field Notes and Photo Log  
Appendix E: Laboratory Analytical Reports

# FIGURES



**Site Map**  
*Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30*  
 UL B S30 24S 30E, Eddy County, New Mexico

Figure 1

Revisions

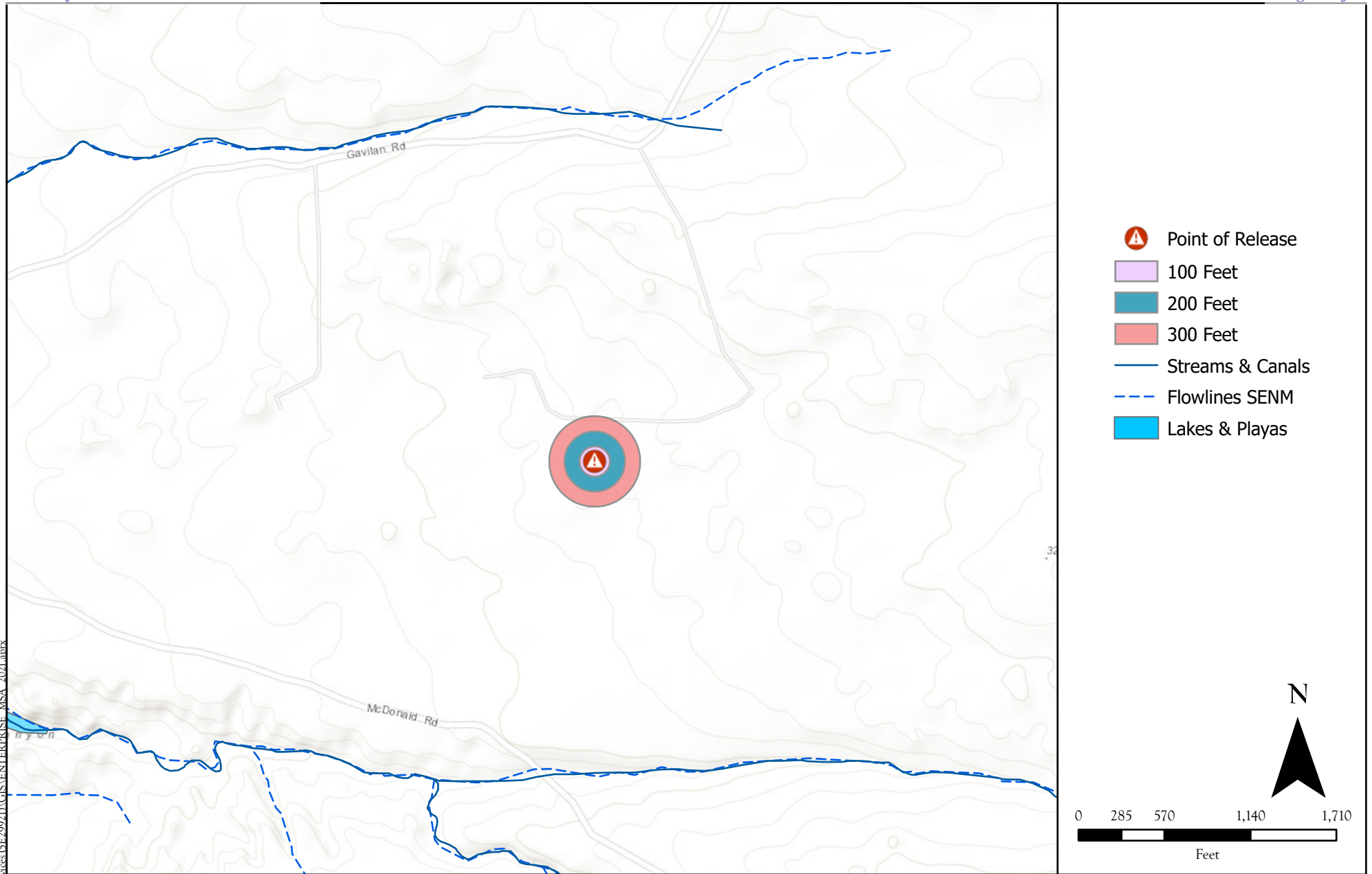
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_  
 By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

Drawn Lynn A. Acosta  
 Date 11/3/2021  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_



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Surface Water Protection  
 Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30  
 UL B S30 24S 30E, Eddy County, New Mexico

Figure 2

## Revisions

By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_  
 By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

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Drawn Lynn A. Acosta  
 Date 11/03/2021  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_



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Site and Sample Location Map  
 Poker Lake Discharge/Chesapeake PLU Pierce Canyon 16-24-30  
 UL B S30 24S 30E, Eddy County, New Mexico

Figure 3

Revisions

By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

Drawn ZT  
 Date 1/18/2022  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_



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# TABLES



Table 2:  
NMOCD Closure CriteriaEnterprise Field Services  
Poker Lake Discharge

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	231.02	USGS
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	2,000	New Mexico Office of the State Engineer, USGS
Horizontal Distance to Nearest Significant Watercourse (ft)	1,450	United States Geological Survey Topo Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	X	20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

SMA #

Table 3:  
Sample ResultsEnterprise Field Services, LLC  
Chesapeake PLU Pierce Canyon 16-24-30  
Poker Lake Discharge

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria (<4 ft)			50	10				100	600
NMOCD Closure Criteria (>4 ft)			50	10	1,000			2,500	20,000
CHBS-01	12/6/2021	7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHBS-02	12/6/2021	7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	50.1
CHBS-03	12/6/2021	7.5	16.7	<0.0250	257	851	2,370	3,478	1,370
RCHBS-03	12/16/2021	13	17.8	0.335	390	185	215	790	1,370
CHBS-04	12/6/2021	7.5	1.61	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHBS-05	12/6/2021	7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHBS-06	12/6/2021	7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHBS-07	12/6/2021	7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWE-08	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWE-09	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWE-10	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWE-11	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWE-12	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWW-13	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWW-14	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	83.3	83.3	<20.0
CHSWW-15	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWW-16	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSWW-17	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHNEW-18	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSEW-19	12/6/2021	0-7.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0



Table 3:  
Sample ResultsEnterprise Field Services, LLC  
Chesapeake PLU Pierce Canyon 16-24-30  
Poker Lake Discharge

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria (<4 ft)			50	10				100	600
CHSP-20	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-21	12/6/2021	backfill	0.0600	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-22	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-23	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-24	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-25	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-26	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-27	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-28	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-29	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-30	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	79.3	79.3	152
CHSP-31	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	78.4	78.4	76.4
CHSP-32	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-33	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	88.9	88.9	63.2
CHSP-34	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	55.6	55.6	51.6
CHSP-35	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-36	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-37	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-38	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-39	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-40	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-41	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-42	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-43	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-44	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-45	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-46	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-47	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	85.0
CHSP-48	12/6/2021	disposed	<0.100	<0.0250	<20.0	<25.0	131	131	285
CHSP-49	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	77.3	77.3	122
CHSP-50	12/6/2021	disposed	<0.100	<0.0250	<20.0	<25.0	99.9	99.9	<20.0
CHSP-51	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-52	12/6/2021	backfill	<0.100	<0.0250	<20.0	42.6	<50.0	42.6	<20.0
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CHSP-54	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-55	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-56	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-57	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CHSP-58	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0



# APPENDIX A

## FORM C141

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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1000 Rio Brazos Road, Aztec, NM 87410  
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State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
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District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude 32.195055 Longitude -103.917213  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Poker Lake Discharge	Site Type	Gathering Pipeline
Date Release Discovered	10/27/2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
B	30	24S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 294	Volume Recovered (Mcf) 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Found a leak on a gathering pipeline, cause is to be determined.

Incident ID	nAPP2130138079
District RP	
Facility ID	
Application ID	

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

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

## Initial Response

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

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

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

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

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

Printed Name: Robert Dunaway

Title: Senior Environmental Engineer

Signature: 

Date: 11/2/21

email: rhunaway@eprod.com

Telephone: 575-628-6802

### OCD Only

Received by: Ramona Marcus

Date: 11/ 2/ 20 21

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

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

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

Incident ID	NAPP2133323491
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhunaway@eprod.com	Incident # (assigned by OCD)	nAPP2133323491
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude 32.194965 Longitude -103.917368  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Chesapeake PLU Pierce Canyon 16-24-30	Site Type	Gathering Pipeline
Date Release Discovered	11/26/21	API# (if applicable)	

Unit Letter	Section	Township	Range	County
B	30	24S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 286	Volume Recovered (Mcf) -0-
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Found a leak on a gathering pipeline, cause is to be determined.



Incident ID	NAPP2133325491
District RP	
Facility ID	
Application ID	

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

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### Initial Response

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

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

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

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

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature:  Date: 11/29/21

email: rhdunaway@eprod.com Telephone: 575-628-6802

#### OCD Only

Received by: Ramona Marcus Date: 11/29/2021

# APPENDIX B

## WATER WELL DATA



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02109</a>	CUB	ED		1	2	4	19	24S	30E	602130	3563412	844	130	150	-20

Average Depth to Water: **150 feet**

Minimum Depth: **150 feet**

Maximum Depth: **150 feet**

Record Count: 1

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 602060.838

**Northing (Y):** 3562570.278

**Radius:** 850

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

11/4/21 10:04 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
United States

GO

Click to hideNews Bulletins

- Explore the **NEW** [USGS National Water Dashboard](#) to access real-time data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

\* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 321205103544701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321205103544701 24S.30E.19.42113

Eddy County, New Mexico  
Latitude 32°12'05", Longitude 103°54'47" NAD27  
Land-surface elevation 3,188 feet above NAVD88  
The depth of the well is 452 feet below land surface.  
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1958-10-24			D 62610		2958.66	NGVD29	1		Z	
1958-10-24			D 62611		2960.30	NAVD88	1		Z	
1958-10-24			D 72019	227.70			1		Z	
1959-03-19			D 62610		2958.61	NGVD29	1		Z	
1959-03-19			D 62611		2960.25	NAVD88	1		Z	
1959-03-19			D 72019	227.75			1		Z	
1975-12-10			D 62610		2954.58	NGVD29	1		Z	
1975-12-10			D 62611		2956.22	NAVD88	1		Z	
1975-12-10			D 72019	231.78			1		Z	
1976-01-16			D 62610		2949.10	NGVD29	1		Z	
1976-01-16			D 62611		2950.74	NAVD88	1		Z	
1976-01-16			D 72019	237.26			1		Z	
1976-12-01			D 62610		2955.63	NGVD29	1		Z	
1976-12-01			D 62611		2957.27	NAVD88	1		Z	
1976-12-01			D 72019	230.73			1		Z	
1977-01-14			D 62610		2955.74	NGVD29	1		Z	
1977-01-14			D 62611		2957.38	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1977-01-14			D	72019	230.62		1		Z	
1983-02-01			D	62610	2950.43	NGVD29	1		Z	
1983-02-01			D	62611	2952.07	NAVD88	1		Z	
1983-02-01			D	72019	235.93		1		Z	
1987-10-15			D	62610	2953.06	NGVD29	1		S	
1987-10-15			D	62611	2954.70	NAVD88	1		S	
1987-10-15			D	72019	233.30		1		S	
1998-01-27			D	62610	2955.34	NGVD29	1		S	
1998-01-27			D	62611	2956.98	NAVD88	1		S	
1998-01-27			D	72019	231.02		1		S	

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-04-08 13:22:06 EDT

0.4 0.37 nadww01



# APPENDIX C

## SAMPLING PROTOCOL



## Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Laboratory in Farmington, New Mexico for analysis. A total of fifty-nine (59) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

## Sampling Analysis Field Quality Assurance Procedures

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

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



# APPENDIX D FIELD NOTES & PHOTO LOG



## Field Screening

Pg. 1 of 7

Location Name: Chessapeake / Pokon Lake				Date: 12/6/21				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
CHBS-01	1015			4.9	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	AT North end of Exc
02	1017			8.3	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	AT CLAMP
03	1020			2323	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	Test South of CLAMP
04	1022			275.7	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
05	1024			8.5	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
06	1027			2.9	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
07	1030			3.1	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	South end of Exc.
CHSWE 08	1032			2.2	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
09	1034			3.1	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	



## Field Screening

19.2057

Location Name: Chesapeake				Date: 12/6/21				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
CHSWE 10	1036			3.1	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
11	1038			10.9	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
12	1040			2.4	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
CHSWW 13	1045			4.2	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
14	1047			7.9	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
15	1050			1.8	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
16	1055			1.8	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
17	1100			1.4	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
18	1107			1.7	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	

North End Wall 18

South End Wall 19

2.1





## Field Screening

Pg. 3 of 7

Location Name: Chess Park				Date: 12/6/21				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
CHSP20	1120				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
21	1121				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
22	1122				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
23	1123				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
24	1124				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
25	1125				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
26	1126				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
27	1127				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
28	1128				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	



## Field Screening

Pg 4057

Location Name: <i>Chessapeale</i>				Date: <i>12/6/21</i>					
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
<i>C HSP 29</i>	<i>1129</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>30</i>	<i>1130</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>31</i>	<i>1131</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>32</i>	<i>1132</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>33</i>	<i>1133</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>34</i>	<i>1134</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>35</i>	<i>1135</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>36</i>	<i>1136</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	
<i>37</i>	<i>1137</i>				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Clay	Dry Moist Wet	



## Field Screening

B95057

Location Name: Chesapeake				Date: 12/6/21				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
CHSP 38	1138				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
39	1139				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
40	1140				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
41	1141				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
42	1142				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
43	1143				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
44	1144				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
45	1145				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	
46	1146				Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet	





## Field Screening

Pg. 6 of 7

Location Name: <i>Chess Rock</i>				Date: <i>12/6/21</i>				
Sample Name:	Collection Time:	EC (ms)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
<i>CHSP 47</i>	<i>11:47</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>48</i>	<i>11:48</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>49</i>	<i>11:49</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>50</i>	<i>11:50</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>51</i>	<i>11:51</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>52</i>	<i>11:52</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>53</i>	<i>11:53</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>54</i>	<i>11:54</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	
<i>55</i>	<i>11:55</i>				Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt	Dry Moist Wet	

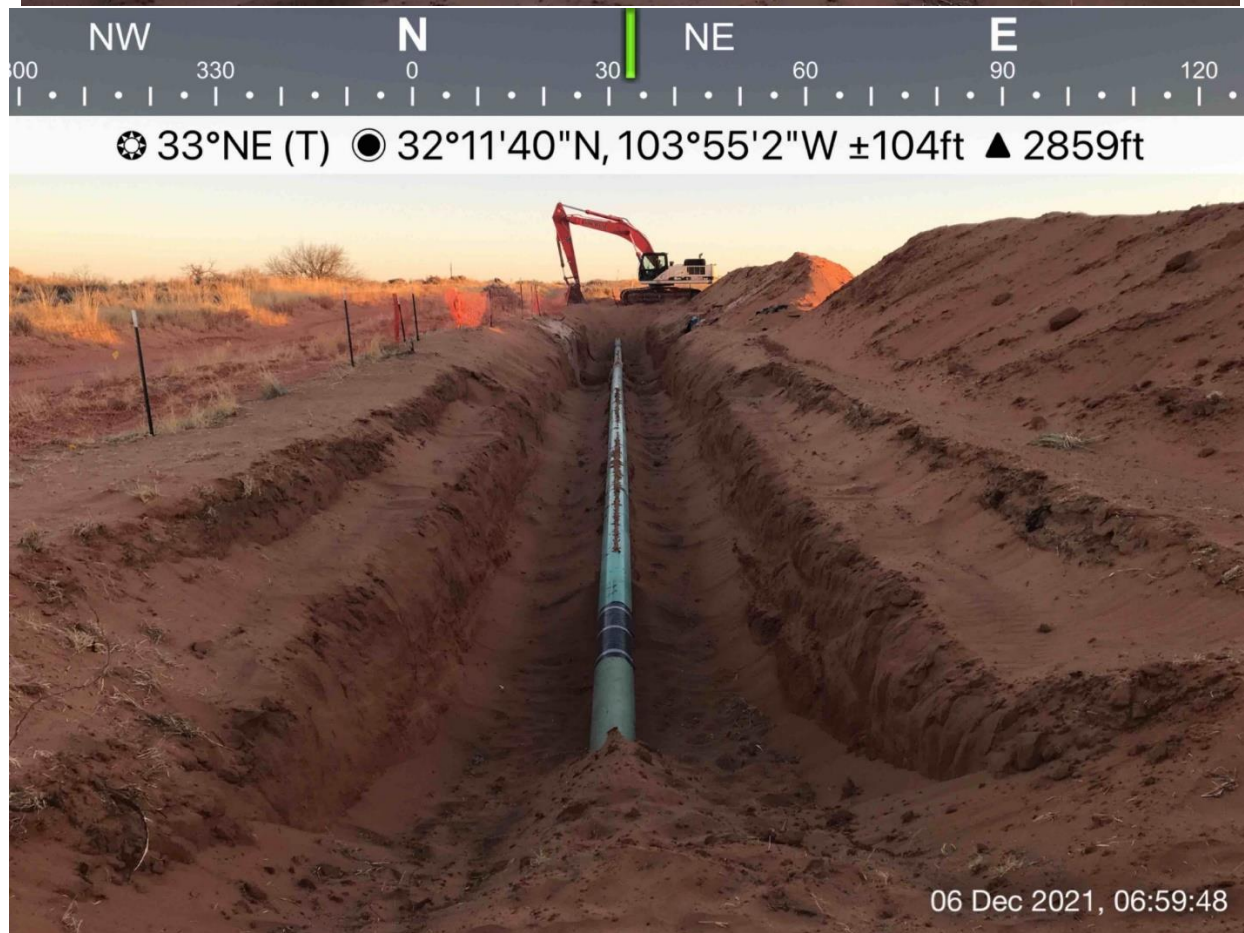
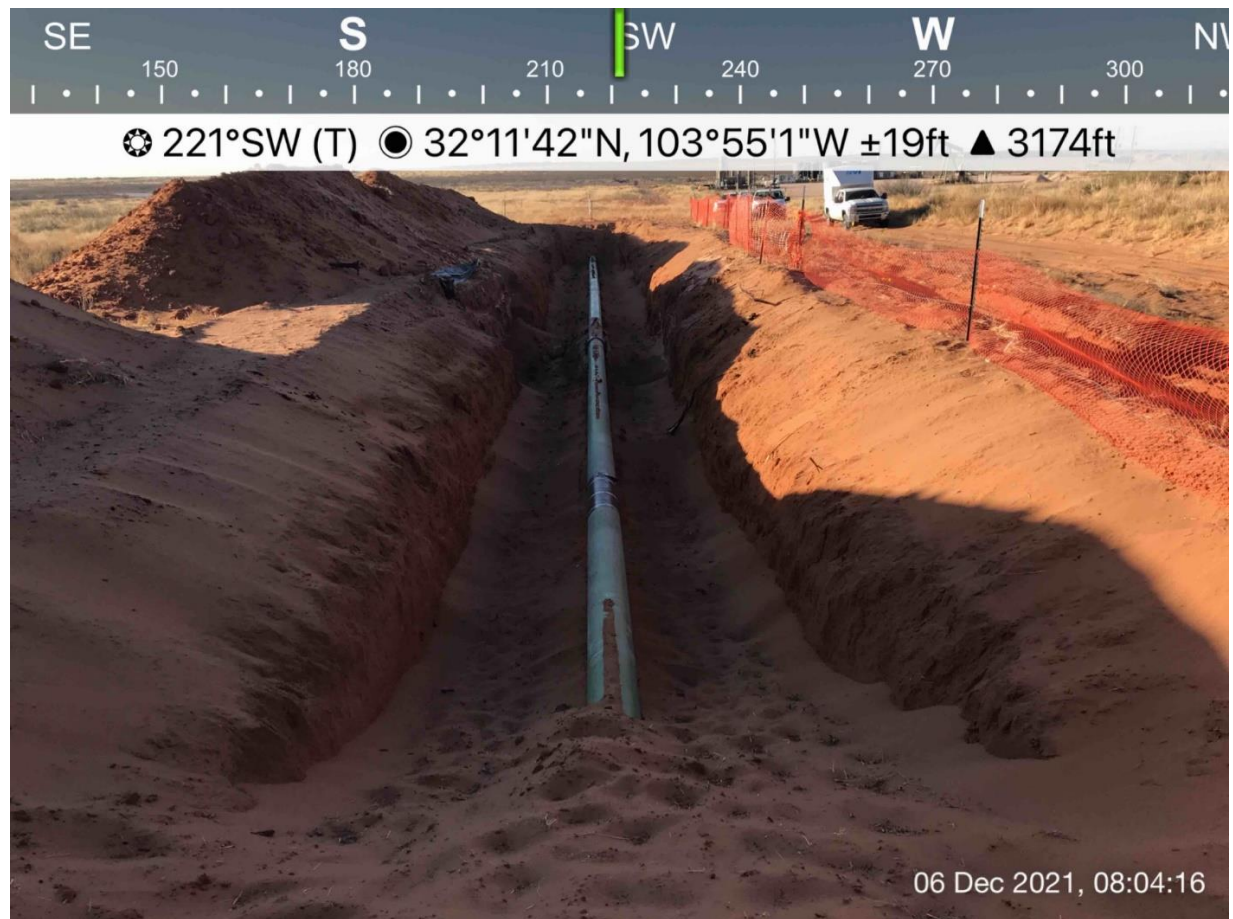




## Field Screening

By 7057

Location Name: Chesapeake				Date: 12/6/21				
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
CHSD 96	1156				Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
↓ 57	1157				Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
↓ 58	1158				Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
					Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
					Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
					Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
					Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	
					Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	







# APPENDIX E

## LABORATORY ANALYTICAL REPORTS



Report to:  
Ashley Maxwell



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: Chessapeak

Work Order: E112031

Job Number: 19026-0001

Received: 12/9/2021

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/13/21

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

Date Reported: 12/13/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Chessapeak  
Workorder: E112031  
Date Received: 12/9/2021 11:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 11:30:00AM, under the Project Name: Chessapeak.

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

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

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

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

Respectfully,

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b> 12/13/21 09:48
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CHBS-01	E112031-01A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-02	E112031-02A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-03	E112031-03A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-04	E112031-04A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-05	E112031-05A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-06	E112031-06A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHBS-07	E112031-07A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWE-08	E112031-08A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWE-09	E112031-09A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWE-10	E112031-10A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWE-11	E112031-11A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWE-12	E112031-12A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWW-13	E112031-13A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWW-14	E112031-14A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWW-15	E112031-15A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWW-16	E112031-16A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSWW-17	E112031-17A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHNEW-18	E112031-18A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSEW-19	E112031-19A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-20	E112031-20A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Chessapeake Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 12/13/2021 9:48:00AM
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### CHBS-01

### E112031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.6 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	111 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-02

## E112031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	114 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	50.1	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-03

## E112031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	1.50	0.0250	1	12/09/21	12/09/21	
Toluene	0.918	0.0250	1	12/09/21	12/09/21	
o-Xylene	3.37	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	11.0	0.0500	1	12/09/21	12/09/21	
Total Xylenes	14.3	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	257	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	851	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	2370	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>		196 %	50-200	12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	1370	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-04

## E112031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	<b>0.169</b>	0.0250	1	12/09/21	12/10/21	
Toluene	<b>0.141</b>	0.0250	1	12/09/21	12/10/21	
o-Xylene	<b>0.304</b>	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	<b>0.999</b>	0.0500	1	12/09/21	12/10/21	
Total Xylenes	<b>1.30</b>	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
		142 %	50-200	12/09/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-05

## E112031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	107 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-06

## E112031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150027
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHBS-07

## E112031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150027
Chloride	ND	20.0	1	12/09/21	12/09/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWE-08

## E112031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.5 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.8 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	<i>111 %</i>	<i>50-200</i>		<i>12/09/21</i>	<i>12/10/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWE-09

## E112031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWE-10

## E112031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150027
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWE-11

## E112031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.1 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	116 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWE-12

## E112031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.0 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.1 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	110 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWW-13

## E112031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.3 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.1 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	112 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWW-14

## E112031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.4 %	70-130		12/09/21	12/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	83.3	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	114 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWW-15

## E112031-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWW-16

## E112031-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.7 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.8 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	113 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSWW-17

## E112031-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150027
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHNEW-18

## E112031-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150027
Chloride	ND	20.0	1	12/09/21	12/09/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSEW-19

## E112031-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.0 %	70-130		12/09/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	108 %	50-200		12/09/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 9:48:00AM

## CHSP-20

## E112031-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/10/21	
Toluene	ND	0.0250	1	12/09/21	12/10/21	
o-Xylene	ND	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.5 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/10/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>96.1 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/10/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/10/21	
<i>Surrogate: n-Nonane</i>	<i>116 %</i>	<i>50-200</i>		<i>12/09/21</i>	<i>12/10/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150027	
Chloride	ND	20.0	1	12/09/21	12/09/21	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150026-BLK1)

Prepared: 12/09/21 Analyzed: 12/10/21

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	8.11		8.00		101	70-130			

## LCS (2150026-BS1)

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	4.74	0.0250	5.00		94.8	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

## Matrix Spike (2150026-MS1)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	4.81	0.0250	5.00	ND	96.2	54-133			
Ethylbenzene	4.82	0.0250	5.00	0.169	93.0	61-133			
Toluene	4.97	0.0250	5.00	0.141	96.7	61-130			
o-Xylene	5.06	0.0250	5.00	0.304	95.2	63-131			
p,m-Xylene	10.3	0.0500	10.0	0.999	92.6	63-131			
Total Xylenes	15.3	0.0250	15.0	1.30	93.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## Matrix Spike Dup (2150026-MSD1)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	4.62	0.0250	5.00	ND	92.4	54-133	4.04	20	
Ethylbenzene	4.64	0.0250	5.00	0.169	89.5	61-133	3.73	20	
Toluene	4.78	0.0250	5.00	0.141	92.8	61-130	4.02	20	
o-Xylene	4.90	0.0250	5.00	0.304	91.8	63-131	3.37	20	
p,m-Xylene	9.96	0.0500	10.0	0.999	89.6	63-131	2.97	20	
Total Xylenes	14.9	0.0250	15.0	1.30	90.3	63-131	3.10	20	
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150026-BLK1)

Prepared: 12/09/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

## LCS (2150026-BS2)

Prepared: 12/09/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			

## Matrix Spike (2150026-MS2)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	58.1	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

## Matrix Spike Dup (2150026-MSD2)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	60.0	20.0	50.0	ND	120	70-130	3.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150031-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.3		50.0		113	50-200			

## LCS (2150031-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	457	25.0	500		91.4	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			

## Matrix Spike (2150031-MS1)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	470	25.0	500	ND	94.0	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			

## Matrix Spike Dup (2150031-MSD1)

Source: E112031-04

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	487	25.0	500	ND	97.5	38-132	3.68	20	
Surrogate: n-Nonane	54.4		50.0		109	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150027-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride ND 20.0

## LCS (2150027-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 258 20.0 250 103 90-110

## Matrix Spike (2150027-MS1)

Source: E112031-01

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 262 20.0 250 ND 105 80-120

## Matrix Spike Dup (2150027-MSD1)

Source: E112031-01

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 262 20.0 250 ND 105 80-120 0.164 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:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/21 09:48

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

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: SMA  
 Project: Chessapeak  
 Project Manager: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# PEP112031 Job Number 19026-0001  
CC 12/10/21 Analysis and Method \_\_\_\_\_ State \_\_\_\_\_  
 DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0  
 BGDOC - NM BGDOC - TX  
 NM CO UT AZ  
 TX OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks
1015	12/6/21	Soil	1	CHBS-01	1	
1017			1	02	2	
1020			1	03	3	
1022			1	04	4	
1024			1	05	5	
1027			1	06	6	
1030			1	07	7	
1032			1	CHSWE-08	8	
1034			1	09	9	
1036			1	10	10	

Additional Instructions:

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

Relinquished by: (Signature) \_\_\_\_\_ Date 12/8/21 Time 11:00 Received by: (Signature) \_\_\_\_\_ Date 12-8-21 Time 11:00

Relinquished by: (Signature) \_\_\_\_\_ Date 12/8/21 Time 16:30 Received by: (Signature) Caitlynn Chisley Date 12/9/21 Time 11:30

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

## Project Information

## Chain of Custody

Page 2 of 2

Client: SMA  
 Project: Chessa Peak  
 Project Manager: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: ASHLEY MAXWELL  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# PE112031 Job Number 19026-0001  
 Analysis and Method  
 DRO/ORO by 8015 \_\_\_\_\_ GRO/DRO by 8015 \_\_\_\_\_ BTEX by 8021 \_\_\_\_\_ VOC by 8260 \_\_\_\_\_ Metals 6010 \_\_\_\_\_ Chloride 300.0 \_\_\_\_\_  
 BGDOC - NM \_\_\_\_\_ BGDOC - TX \_\_\_\_\_

EPA Program  
 TAT  
 1D 3D RCRA CWA SDWA  
 State  
 NM CO UT AZ  
 TX OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1038	12/6/21	SOIL	1	CHSWE-11	11							X		
1040			1	↓ 12	12									
1045			1	CHSWW-13	13									
1047			1	↓ 14	14									
1050			1	↓ 15	15									
1055			1	↓ 16	16									
1100			1	↓ 17	17									
1107			1	CHNEW-18	18									
1115			1	CHSEW-19	19									
1120-1158	↓	↓	39	CHSP20-58	20							✓		

## Additional Instructions:

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

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

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12/8/21</u>	Time <u>1100</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-8-21</u>	Time <u>11:00</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12/8/21</u>	Time <u>1630</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12/9/21</u>	Time <u>11:30</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 12/10/2021 11:18:27AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/09/21 11:30	Work Order ID:	E112031
Phone:	(505) 325-7535	Date Logged In:	12/08/21 11:39	Logged In By:	Jessica Liesse
Email:	ashley.maxwell@soudermiller.com	Due Date:	12/10/21 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Fed ExComments/Resolution

58 samples were received, Originally there were COC pages 1 and 2 for all samples. The COC has been remade by client and is now 1 of 6 COC pages. Due to sample amount this project has been split into 3 separate workorders as follows: E112031-E112040-E112041

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 1 of 2

20 Turnaround

Client: <u>SMIA</u>				Bill To				Lab Use Only				EPA Program			
Project: <u>Cressapeak</u>				Attention:				Lab WO#		Job Number		1D		3D	
Project Manager:				Address:				<u>PEP 112031</u>		<u>19026-0001</u>		RCRA		CWA	
Address:				City, State, Zip				<u>CC 12/10/21</u>		Analysis and Method		State		SDWA	
City, State, Zip				Phone:								NM		CO	
Phone:				Email:								TX		OK	
Email:															
Report due by:															
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC - NM	BGDOC - TX	Remarks	
1015	12/6/21	Soil	1	CHBS-01	1							X			
1017			1	02	2										
1020			1	03	3										
1022			1	04	4										
1024			1	05	5										
1027			1	06	6										
1030			1	07	7										
1032			1	CHSWE-08	8										
1034			1	09	9										
1036			1	10	10										
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:															
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only			
<u>[Signature]</u>		12/8/21		1100		<u>[Signature]</u>		12-8-21		11:00		Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1			
<u>[Signature]</u>		12/8/21		1630		<u>Caitlyn Chmura</u>		12/9/21		11:30		T2			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3			
												AVG Temp °C <u>4</u>			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



## Project Information

## Chain of Custody

Page 2 of 2

Client: SMA  
 Project: Chesapeake  
 Project Manager: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: ASTLEY Maxwell  
 Email: \_\_\_\_\_  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# PE112031 Job Number 19026-0001  
 Analysis and Method  
 DRO/DRO by 8015  
 GRO/DRO by 8015  
 BTEX by 8021  
 VOC by 8260  
 Metals 6010  
 Chloride 300.0  
 BGDG - NM  
 BGDG - TX

EPA Program  
 TAT  
 1D 3D  
 RCRA CWA SDWA  
 State  
 NM CO UT AZ  
 TX OK  
 Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDG - NM	BGDG - TX	Remarks
1038	12/6/21	soil	1	CHSWE - 11	11							X		
1040			1	↓ 12	12									
1045			1	CHSWW - 13	13									
1047			1	↓ 14	14									
1050			1	↓ 15	15									
1055			1	↓ 16	16									
1100			1	↓ 17	17									
1107			1	CHNEW - 18	18									
1115			1	CHSEW - 19	19									
1120-1158	✓	✓	29	CHSP20-58	20							✓		

Additional Instructions: 1

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

Relinquished by: (Signature) [Signature] Date 12/8/21 Time 1100 Received by: (Signature) [Signature] Date 12/8-21 Time 11:00

Relinquished by: (Signature) [Signature] Date 12/8/21 Time 1630 Received by: (Signature) [Signature] Date 12/9/21 Time 11:30

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Chessapeak

Work Order: E112040

Job Number: 19026-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/12/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/12/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Chessapeak  
Workorder: E112040  
Date Received: 12/9/2021 12:00:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:00:00PM, under the Project Name: Chessapeak.

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

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

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

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

Respectfully,

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b> 12/12/21 09:47
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CHSP-21	E112040-01A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-22	E112040-02A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-23	E112040-03A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-24	E112040-04A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-25	E112040-05A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-26	E112040-06A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-27	E112040-07A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-28	E112040-08A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-29	E112040-09A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-30	E112040-10A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-31	E112040-11A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-32	E112040-12A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-33	E112040-13A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-34	E112040-14A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-35	E112040-15A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-36	E112040-16A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-37	E112040-17A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-38	E112040-18A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-39	E112040-19A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-40	E112040-20A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Chessapeak Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 12/12/2021 9:47:27AM
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### CHSP-21

### E112040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	0.0600	0.0500	1	12/10/21	12/10/21	
Total Xylenes	0.0600	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		107 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.6 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		107 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.6 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		115 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-22

## E112040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.0 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.0 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		116 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-23

## E112040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		109 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		109 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		118 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-24

## E112040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		105 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		101 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		105 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		101 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		114 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-25

## E112040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	94.6 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.9 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	94.6 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.9 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	114 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-26

## E112040-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.3 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.6 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.3 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.6 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	118 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-27

## E112040-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.9 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	97.0 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.9 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	97.0 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	116 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-28

## E112040-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	95.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	98.5 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	95.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	98.5 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	114 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-29

## E112040-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	117 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-30

## E112040-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.1 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.1 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	79.3	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	116 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	152	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-31

## E112040-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.1 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.1 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	78.4	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	115 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	76.4	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-32

## E112040-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.5 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.5 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	113 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-33

## E112040-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	99.4 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	99.4 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	88.9	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	119 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	63.2	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-34

## E112040-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	55.6	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	116 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	51.6	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-35

## E112040-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	116 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-36

## E112040-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	99.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane	116 %	50-200		12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-37

## E112040-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.0 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.0 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		117 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-38

## E112040-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		103 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		118 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-39

## E112040-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		105 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.8 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		105 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.8 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		118 %	50-200	12/10/21	12/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/12/2021 9:47:27AM

## CHSP-40

## E112040-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		104 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.5 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150039
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene		104 %	70-130	12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/10/21	12/10/21	
Surrogate: Toluene-d8		98.5 %	70-130	12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane		119 %	50-200	12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150045
Chloride	ND	20.0	1	12/10/21	12/10/21	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150039-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

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	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

## LCS (2150039-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.65	0.0250	2.50		106	70-130			
o-Xylene	2.49	0.0250	2.50		99.6	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.74	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

## LCS Dup (2150039-BSD1)

Prepared: 12/10/21 Analyzed: 12/10/21

Benzene	2.72	0.0250	2.50		109	70-130	1.57	23	
Ethylbenzene	2.75	0.0250	2.50		110	70-130	2.60	27	
Toluene	2.71	0.0250	2.50		108	70-130	2.11	24	
o-Xylene	2.55	0.0250	2.50		102	70-130	2.42	27	
p,m-Xylene	5.41	0.0500	5.00		108	70-130	2.92	27	
Total Xylenes	7.96	0.0250	7.50		106	70-130	2.76	27	
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150039-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

## LCS (2150039-BS2)

Prepared: 12/10/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

## LCS Dup (2150039-BSD2)

Prepared: 12/10/21 Analyzed: 12/10/21

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0		112	70-130	5.41	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150046-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	59.5		50.0		119	50-200			

## LCS (2150046-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	488	25.0	500		97.6	38-132			
Surrogate: <i>n</i> -Nonane	56.0		50.0		112	50-200			

## Matrix Spike (2150046-MS1)

Source: E112040-01

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.7	38-132			
Surrogate: <i>n</i> -Nonane	58.3		50.0		117	50-200			

## Matrix Spike Dup (2150046-MSD1)

Source: E112040-01

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	471	25.0	500	ND	94.2	38-132	3.60	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150045-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride ND 20.0

## LCS (2150045-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride 250 20.0 250 100 90-110

## LCS Dup (2150045-BSD1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride 250 20.0 250 99.8 90-110 0.208 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:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/21 09:47

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

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

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





## Project Information

## Chain of Custody

Page 1 of 1

Client: SMR

Project: Chcassa peaks

Project Manager:

Address:

City, State, Zip

Phone:

Email: Ashley Maxwell

Report due by:

Attention:

Address:

City, State, Zip

Phone:

Email:

Lab Use Only

Lab WO# PE112040 Job Number 190200001

AM 12/10/21 Analysis and Method

TAT 20 TAT

EPA Program

1D 3D RCRA CWA SDWA

State

NM CO UT AZ

TX OK

Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	DRD/DRD by 8015	GRD/DRD by 8015	BTX by 8021	VOC by 8260	Metals by 6010	Chloride by 300.0	BOD/DOC by 8010	BOD/DOC by 8010	Remarks
<del>1120</del>	<del>12/6/21</del>	<del>Soil</del>	<del>1</del>	<del>CHSP-20</del>	<del>AM 12/10/21</del>									
1121			1	CHSP-21	1									
1122			1	CHSP-22	2									
1123			1	CHSP-23	3									
1124			1	CHSP-24	4									
1125			1	CHSP-25	5									
1126			1	CHSP-26	6									
1127			1	CHSP-27	7									
1128			1	CHSP-28	8									
1129			1	CHSP-29	9									

## Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 4°C but less than 6°C on subsequent day.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	<u>12/8/21</u>	<u>11:00</u>	<u>[Signature]</u>	<u>12/9/21</u>	<u>12:00</u>	Received on Ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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



City, State, Zip

Phone:

Email:

Laxwell

E112040

19020-0001

Analysis and Method

Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	XL - DOC/BI
CHSP - 30	10							X	
CHSP - 31	11							X	
CHSP - 32	12							X	
CHSP - 33	13							X	
CHSP - 34	14							X	
CHSP - 35	15							X	
CHSP - 36	16							X	
CHSP - 37	17							X	
CHSP - 38	18							X	
CHSP - 39	19							X	
CHSP - 40	20							X	

of this sample. I am aware that tampering with or intentionally mislabeling the sample is a crime.

Samples requiring thermal preservation must be

analyzed by 12:00

4°C Rapid or  
vis. ice



## Envirotech Analytical Laboratory

Printed: 12/10/2021 6:10:56PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/09/21 12:00	Work Order ID:	E112040
Phone:	(505) 325-7535	Date Logged In:	12/09/21 11:32	Logged In By:	Jessica Liesse
Email:	ashley.maxwell@soudermiller.com	Due Date:	12/09/21 17:00 (0 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? No
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: Fed Ex**Comments/Resolution**

58 samples were received, Originally there were COC pages 1 and 2 for all samples. The COC has been remade by client and is now 1 of 6 COC pages. Due to sample amount this project has been split into 3 separate workorders as follows: E112031-E112040-E112041

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Chessapeak

Work Order: E112041

Job Number: 19026-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/13/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 12/13/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Chessapeak  
Workorder: E112041  
Date Received: 12/9/2021 12:00:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:00:00PM, under the Project Name: Chessapeak.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b> 12/13/21 16:34
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CHSP-41	E112041-01A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-42	E112041-02A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-43	E112041-03A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-44	E112041-04A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-45	E112041-05A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-46	E112041-06A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-47	E112041-07A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-48	E112041-08A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-49	E112041-09A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-50	E112041-10A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-51	E112041-11A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-52	E112041-12A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-53	E112041-13A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-54	E112041-14A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-55	E112041-15A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-56	E112041-16A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-57	E112041-17A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.
CHSP-58	E112041-18A	Solid	12/06/21	12/09/21	Glass Jar, 4 oz.



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-41

## E112041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	98.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	98.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	111 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-42

## E112041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	107 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-43

## E112041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	111 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-44

## E112041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.5 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	113 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-45

## E112041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	95.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	95.8 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	110 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-46

## E112041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	96.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	108 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-47

## E112041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.4 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	97.4 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	110 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	85.0	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-48

## E112041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/10/21	12/10/21	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		12/10/21	12/10/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	131	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	113 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	285	20.0	1	12/10/21	12/10/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-49

## E112041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	97.6 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	97.6 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	77.3	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	108 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	122	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-50

## E112041-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	99.9 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	99.9 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	99.9	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	98.2 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-51

## E112041-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	96.7 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	96.7 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	111 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-52

## E112041-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	95.7 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	95.7 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	42.6	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	113 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/10/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-53

## E112041-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	98.8 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	98.8 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	112 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-54

## E112041-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	96.3 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	96.3 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	101 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	102 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	





## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-55

## E112041-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	95.8 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	95.8 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	100 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane	106 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-56

## E112041-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		99.1 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		99.1 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane		107 %	50-200	12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-57

## E112041-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane		108 %	50-200	12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	



## Sample Data

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

Project Name: Chessapeak  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
12/13/2021 4:34:14PM

## CHSP-58

## E112041-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		108 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		99.2 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		108 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		99.2 %	70-130	12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150050
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane		107 %	50-200	12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150047
Chloride	ND	20.0	1	12/10/21	12/11/21	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

## Blank (2150041-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

## LCS (2150041-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

## Matrix Spike (2150041-MS1)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.19	0.0250	2.50	ND	87.6	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.4	45-135			
Toluene	2.36	0.0250	2.50	ND	94.3	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.4	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## Matrix Spike Dup (2150041-MSD1)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.19	0.0250	2.50	ND	87.5	48-131	0.160	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	4.61	27	
Toluene	2.42	0.0250	2.50	ND	96.7	48-130	2.53	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	4.10	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	4.26	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	4.21	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b> 12/13/2021 4:34:14PM
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150041-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

## LCS (2150041-BS2)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## Matrix Spike (2150041-MS2)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

## Matrix Spike Dup (2150041-MSD2)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	2.90	20	
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150050-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.6		50.0		111	50-200			

## LCS (2150050-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Diesel Range Organics (C10-C28)	466	25.0	500		93.2	38-132			
Surrogate: <i>n</i> -Nonane	53.6		50.0		107	50-200			

## Matrix Spike (2150050-MS1)

Source: E112041-18

Prepared: 12/10/21 Analyzed: 12/11/21

Diesel Range Organics (C10-C28)	501	25.0	500	ND	100	38-132			
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	50-200			

## Matrix Spike Dup (2150050-MSD1)

Source: E112041-18

Prepared: 12/10/21 Analyzed: 12/11/21

Diesel Range Organics (C10-C28)	495	25.0	500	ND	99.1	38-132	1.15	20	
Surrogate: <i>n</i> -Nonane	55.7		50.0		111	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150047-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	ND	20.0							
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## LCS (2150047-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	252	20.0	250		101	90-110			
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## LCS Dup (2150047-BSD1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	253	20.0	250		101	90-110	0.325	20	
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## QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/21 16:34

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

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

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



## Project Information

## Chain of Custody

Page 3 of 4

**E112041**

Client: <b>SMA</b> Project: <b>CHESAPEAKE</b> Project Manager: Address: City, State, Zip: Phone: Email: <b>Ashley Maxwell</b> Report due by:		Bill To Attention: Address: City, State, Zip: Phone: Email:		Lab Use Only Lab WO# <b>E112041</b> Job Number <b>190200001</b> Analysis and Method <b>AM 12/10/21</b>				TAT 1D 3D		EPA Program RCRA CWA SDWA State NM CO UT AZ TX OK			
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Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	DELO/DELO by 8015	CELO/CELO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	Biodec - NM	Biodec - TX	Remarks
<del>1140</del>	<del>12/6/21</del>	<del>Soil</del>	<del>1</del>	<del>CHSP - 40</del>	<del>AM 12/10/21</del>							X		
1141			1	41	1							X		
1142			1	42	2							X		
1143			1	43	3							X		
1144			1	44	4							X		
1145			1	45	5							X		
1146			1	46	6							X		
1147			1	47	7							X		
1148			1	48	8							X		
1149			1	49	9							X		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: *[Signature]* Date: 12/8/21 Time: 11:00

Received by: (Signature) *[Signature]* Date: 12/10/21 Time: 12:00

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



E112041

Client: SNA				Bill To				Lab Use Only				EPA Program			
Project: Cressapark				Attention:				Job Number				TAT			
Project Manager:				Address:				Lab WO#				1D 3D			
Address:				City, State, Zip				Analysis and Method				RCRA CWA			
City, State, Zip				Phone:				AM 12/10/21				State			
Email: Ashley Maxwell				Email:				Chloride 300.0				NM CO			
Report due by:				Lab Number				Metals 6010				TX OK			
				Sample ID				VOC by 8260				Remar			
				No Containers				BTEX by 8021							
				Matrix				GRO/CRO by 8015							
				Date Sampled				GRO/CRO by 8015							
				Time Sampled											
1150	12/6/21	Soil	1	CHSP	-	50	10								
1151			1	CHSP	-	51	11								
1152			1	CHSP	-	52	12								
1153			1	CHSP	-	53	13								
1154			1	CHSP	-	54	14								
1155			1	CHSP	-	55	15								
1156			1	CHSP	-	56	16								
1157			1	CHSP	-	57	17								
1158			1	CHSP	-	58	18								

## Additional Instructions:

Samples requiring thermal preservation must be received on ice the day they are sampled (received packed in on ice dry shipper within 2 but less than 4 °C on laboratory day)			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
	12/8/21	1:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received by: (Signature)

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is only for those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 12/11/2021 11:10:56AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/09/21 12:00	Work Order ID:	E112041
Phone:	(505) 325-7535	Date Logged In:	12/09/21 11:37	Logged In By:	Jessica Liesse
Email:	ashley.maxwell@soudermiller.com	Due Date:	12/13/21 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier:

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

7. Was a sample cooler received? Yes
  8. If yes, was cooler received in good condition? Yes
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

58 samples were received, Originally there were COC pages 1 and 2 for all samples. The COC has been remade by client and is now 1 of 6 COC pages. Due to sample amount this project has been split into 3 separate workorders as follows: E112031-E112040-E112041

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

Date





Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Chesapeake

Work Order: E112078

Job Number: 97057-0001

Received: 12/18/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/27/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/27/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Chesapeake  
Workorder: E112078  
Date Received: 12/18/2021 10:43:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2021 10:43:00AM, under the Project Name: Chesapeake.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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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](http://www.envirotech-inc.com)

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	Reported: 12/27/21 12:15
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
RCHBS-03	E112078-01A	Soil	12/16/21	12/18/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Chesapeake Project Number: 97057-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 12/27/2021 12:15:05PM
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### RCHBS-03

### E112078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2152002	
Benzene	0.335	0.0250	1	12/20/21	12/22/21	
Ethylbenzene	2.10	0.0250	1	12/20/21	12/22/21	
Toluene	2.20	0.0250	1	12/20/21	12/22/21	
o-Xylene	2.97	0.0250	1	12/20/21	12/22/21	
p,m-Xylene	10.3	0.0500	1	12/20/21	12/22/21	
Total Xylenes	13.2	0.0250	1	12/20/21	12/22/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	12/20/21	12/22/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2152002	
Gasoline Range Organics (C6-C10)	390	20.0	1	12/20/21	12/22/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	12/20/21	12/22/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2152008	
Diesel Range Organics (C10-C28)	185	25.0	1	12/21/21	12/21/21	
Oil Range Organics (C28-C36)	215	50.0	1	12/21/21	12/21/21	
<i>Surrogate: n-Nonane</i>						
		167 %	50-200	12/21/21	12/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2152001	
Chloride	1370	20.0	1	12/20/21	12/20/21	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/27/2021 12:15:05PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2152002-BLK1)

Prepared: 12/20/21 Analyzed: 12/22/21

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	7.81		8.00		97.6	70-130			

## LCS (2152002-BS1)

Prepared: 12/20/21 Analyzed: 12/22/21

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.77	0.0250	5.00		95.5	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.2	0.0250	15.0		94.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

## Matrix Spike (2152002-MS1)

Source: E112078-01

Prepared: 12/20/21 Analyzed: 12/22/21

Benzene	4.85	0.0250	5.00	0.335	90.4	54-133			
Ethylbenzene	7.04	0.0250	5.00	2.10	98.9	61-133			
Toluene	7.84	0.0250	5.00	2.20	113	61-130			
o-Xylene	7.66	0.0250	5.00	2.97	94.0	63-131			
p,m-Xylene	18.7	0.0500	10.0	10.3	84.5	63-131			
Total Xylenes	26.4	0.0250	15.0	13.2	87.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

## Matrix Spike Dup (2152002-MSD1)

Source: E112078-01

Prepared: 12/20/21 Analyzed: 12/22/21

Benzene	4.83	0.0250	5.00	0.335	89.8	54-133	0.531	20	
Ethylbenzene	7.00	0.0250	5.00	2.10	98.0	61-133	0.614	20	
Toluene	7.78	0.0250	5.00	2.20	112	61-130	0.737	20	
o-Xylene	7.57	0.0250	5.00	2.97	92.0	63-131	1.27	20	
p,m-Xylene	18.5	0.0500	10.0	10.3	82.0	63-131	1.33	20	
Total Xylenes	26.0	0.0250	15.0	13.2	85.3	63-131	1.31	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/27/2021 12:15:05PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2152002-BLK1)

Prepared: 12/20/21 Analyzed: 12/22/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

## LCS (2152002-BS2)

Prepared: 12/20/21 Analyzed: 12/22/21

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		98.9	70-130			

## Matrix Spike (2152002-MS2)

Source: E112078-01

Prepared: 12/20/21 Analyzed: 12/23/21

Gasoline Range Organics (C6-C10)	428	20.0	50.0	390	77.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.31		8.00		116	70-130			

## Matrix Spike Dup (2152002-MSD2)

Source: E112078-01

Prepared: 12/20/21 Analyzed: 12/23/21

Gasoline Range Organics (C6-C10)	467	20.0	50.0	390	154	70-130	8.51	20	M4
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.60		8.00		120	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/27/2021 12:15:05PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2152008-BLK1)

Prepared: 12/21/21 Analyzed: 12/21/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			

## LCS (2152008-BS1)

Prepared: 12/21/21 Analyzed: 12/21/21

Diesel Range Organics (C10-C28)	543	25.0	500		109	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

## Matrix Spike (2152008-MS1)

Source: E112081-11

Prepared: 12/21/21 Analyzed: 12/21/21

Diesel Range Organics (C10-C28)	550	25.0	500	ND	110	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			

## Matrix Spike Dup (2152008-MSD1)

Source: E112081-11

Prepared: 12/21/21 Analyzed: 12/21/21

Diesel Range Organics (C10-C28)	570	25.0	500	ND	114	38-132	3.68	20	
Surrogate: n-Nonane	56.4		50.0		113	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/27/2021 12:15:05PM

## Anions by EPA 300.0/9056A

Analyst: GB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2152001-BLK1)

Prepared: 12/20/21 Analyzed: 12/20/21

Chloride	ND	20.0
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## LCS (2152001-BS1)

Prepared: 12/20/21 Analyzed: 12/20/21

Chloride	255	20.0	250	102	90-110
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## Matrix Spike (2152001-MS1)

Source: E112074-03

Prepared: 12/20/21 Analyzed: 12/20/21

Chloride	4060	40.0	250	3520	216	80-120	M5
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## Matrix Spike Dup (2152001-MSD1)

Source: E112074-03

Prepared: 12/20/21 Analyzed: 12/20/21

Chloride	3850	40.0	250	3520	136	80-120	5.06	20	M5
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## QC Summary Report Comment:

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



## Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Chesapeake	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/27/21 12:15

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.

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. 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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labadmin@envirotech-inc.com



Project Information

Chain of Custody

Page 1 of 1

Client: SMA Bill To: Enterprise Lab Use Only: 97057-0001 TAT: Am 12/22/21

Project: Chesapeake Attention: Enterprise Lab WO#: EP112078 Job Number: 19026-0001

Project Manager: \_\_\_\_\_ Address: \_\_\_\_\_ City, State, Zip: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_ Report due by: \_\_\_\_\_

Analysis and Method: \_\_\_\_\_ State: \_\_\_\_\_

RCRA: \_\_\_\_\_ CWA: \_\_\_\_\_ SDWA: \_\_\_\_\_

NM: ☒ CO: ☐ UT: ☐ AZ: ☐

TX: ☐ OK: ☐

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1100	12/16/21	Soil	1	RCHBS-03	1							X		

## Additional Instructions:

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

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

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12/16/21</u>	Time <u>1330</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-16-21</u>	Time <u>1330</u>	Lab Use Only: Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-17-21</u>	Time <u>1235</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12/18/21</u>	Time <u>10:43</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5795 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com  
labadmin@envirotech-inc.com



## Envirotech Analytical Laboratory

Printed: 12/20/2021 3:51:49PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/18/21 10:43	Work Order ID:	E112078
Phone:	(505) 325-7535	Date Logged In:	12/16/21 16:10	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	12/28/21 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Fed ExComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 97276

**CONDITIONS**

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 97276
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Going forward, please obtain prior approval from OCD when backfilling excavated soil into excavation. OCD will require detailed protocols pertaining to the sampling of the soil stockpile.	5/17/2022