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: R. Dunaway Date: 4/11/2022

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

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 05/17/2022

Printed Name: Jennifer Nobui Title: 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.

Table 1: Release Information and Closure Criteria			
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		

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.

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.

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/; 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

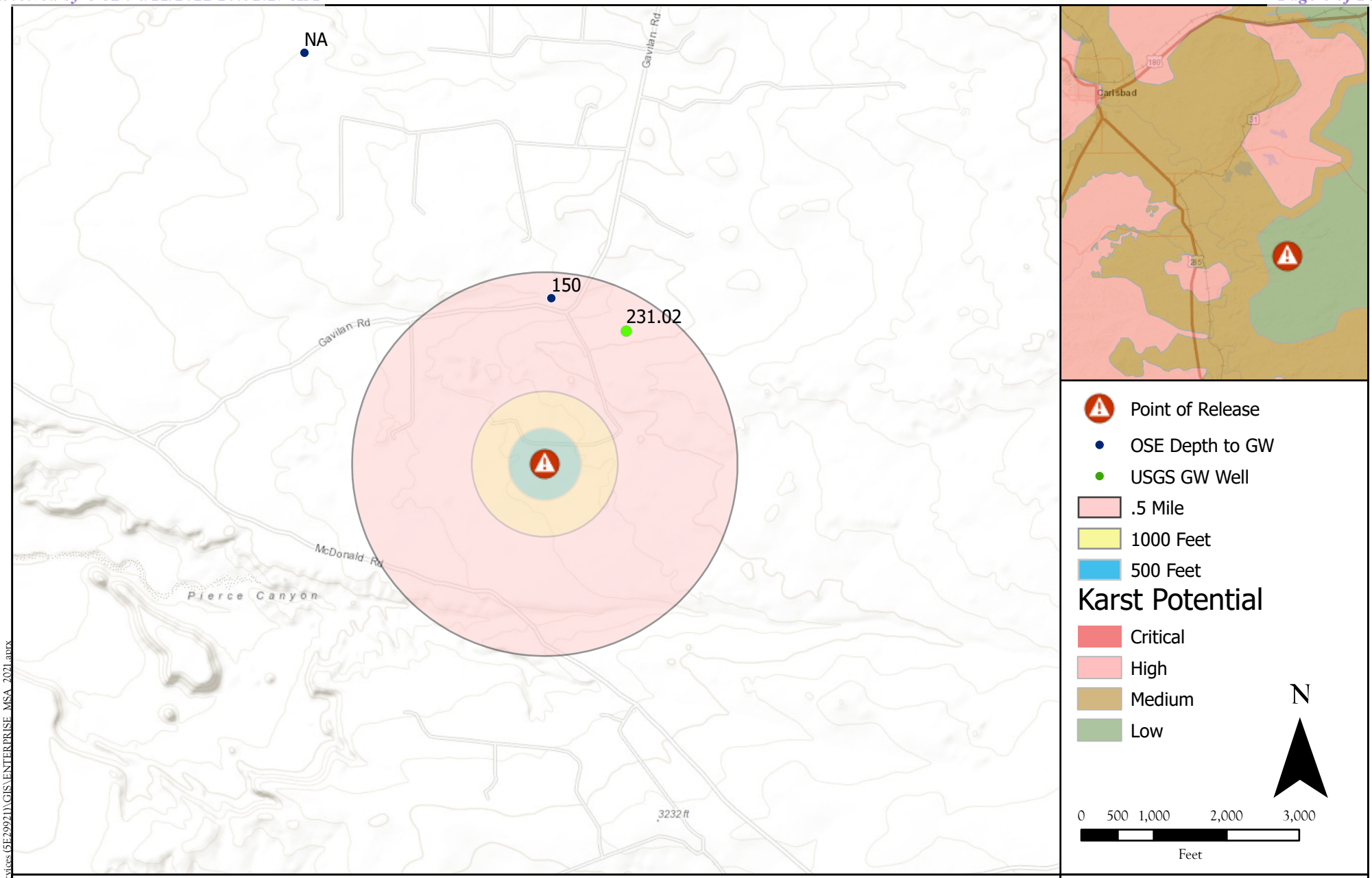
Tables:

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/Chesepeake PLU Pierce Canyon 16-24-30
UL B S30 24S 30E, Eddy County, New Mexico

Figure 1

R:\5-Enterprise 2021 MSA on Call Services (5F29921)\GIS\ENTERPRISE_MSA_2021.aprx
Date Saved: 4/8/2021

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

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

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
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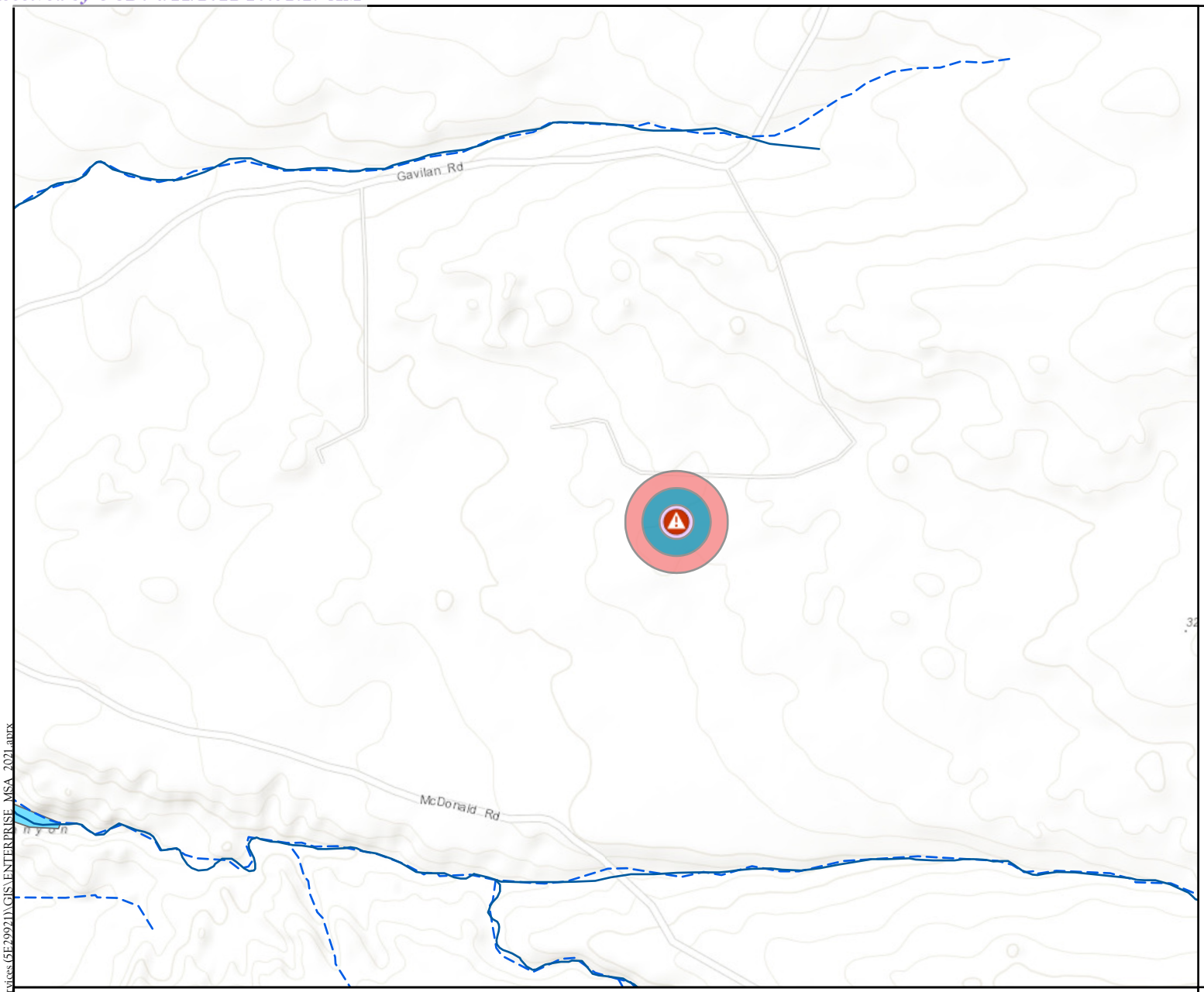

Point of Release
100 Feet
200 Feet
300 Feet
Streams & Canals
Flowlines SENM
Lakes & Playas

N

0 285 570 1,140 1,710
Feet

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

Figure 2

R:\5-Enterprise 2021 MSA on Call Services (5F29921)\GIS\ENTERPRISE_MSA_2021.aprx
Date Saved: 4/8/2021

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

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

SMA
Souder, Miller & Associates
Engineering • Environmental
Geomatics

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Carlsbad, New Mexico 88221
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Soil Sample

Boundaries

- Equipment
- Excavation
- Liner
- Release Area
- Well Pad
- Other

N

0 5 10 20 30

Feet

Site and Sample Location Map
Poker Lake Discharge/Chesepeake 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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Date Saved: 1/17/2022

TABLES

Table 2:
NMOCD Closure Criteria

Enterprise 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
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	2,000	New Mexico Office of the State Engineer, USGS
Hortizontal 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 Results

Enterprise 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 Results

Enterprise 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
CHSP-53	12/6/2021	backfill	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
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
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	nAPP2130138079
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	rhdunaway@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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) 0
☒ Natural Gas	Volume Released (Mcf) 294	Volume Recovered (Mcf) 0
☐ 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.

State of New Mexico
Oil Conservation Division

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: R. Dunaway Date: 11/2/21

email: rhdunaway@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	rhdunaway@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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
☒ Natural Gas	Volume Released (Mcf) 286	Volume Recovered (Mcf) -0-
☐ 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.

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133323491
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: R Dunaway 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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02109	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

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

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

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.

APPENDIX C

SAMPLING PROTOCOL

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

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 currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered 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: Chesapeake / Poker 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 Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	AT North end of exc
02	1017			8.3	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	
03	1020			232.3	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	AT CLAMP
04	1022			275.7	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	Just South of CLAMP
05	1024			8.5	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	
06	1027			2.9	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	
07	1030			3.1	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	South end of exc.
CHSWE 08	1032			2.2	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	
09	1034			3.1	Light Dark; Tan Brown; Gray Olive; Yellow Red	Gravel Rock; Sand Silt; Clay	Dry Moist Wet	

Field Screening

Pg. 2 of 7

Location Name: Chessapeak

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 Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
11	1038			10.9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
12	1040			2.4	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
CHSWW 13	1045			4.2	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
14	1047			7.9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
15	1050			1.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
16	1055			1.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
17	1100			1.4	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
~~BASE~~ NORTH END WALL 18	1107			1.7	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SOUTH END WALL 19	1115			2.1				

Field Screening

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:
CHSPZ0	1120				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
21	1121				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
22	1122				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
23	1123				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
24	1124				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
25	1125				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
26	1126				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
27	1127				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
28	1128				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

Field Screening

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:
CHSP29	1129				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
30	1130				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
31	1131				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
32	1132				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
33	1133				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
34	1134				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
35	1135				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
36	1136				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
37	1137				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

Pg 5 of 7

Field Screening

Location Name: Chess & Peak **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 Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
39	1139				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
40	1140				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
41	1141				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
42	1142				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
43	1143				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
44	1144				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
45	1145				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
46	1146				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

Field Screening

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 47	1147				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
48	1148				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
49	1149				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
50	1150				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
51	1151				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
52	1152				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
53	1153				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
54	1154				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
55	1155				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

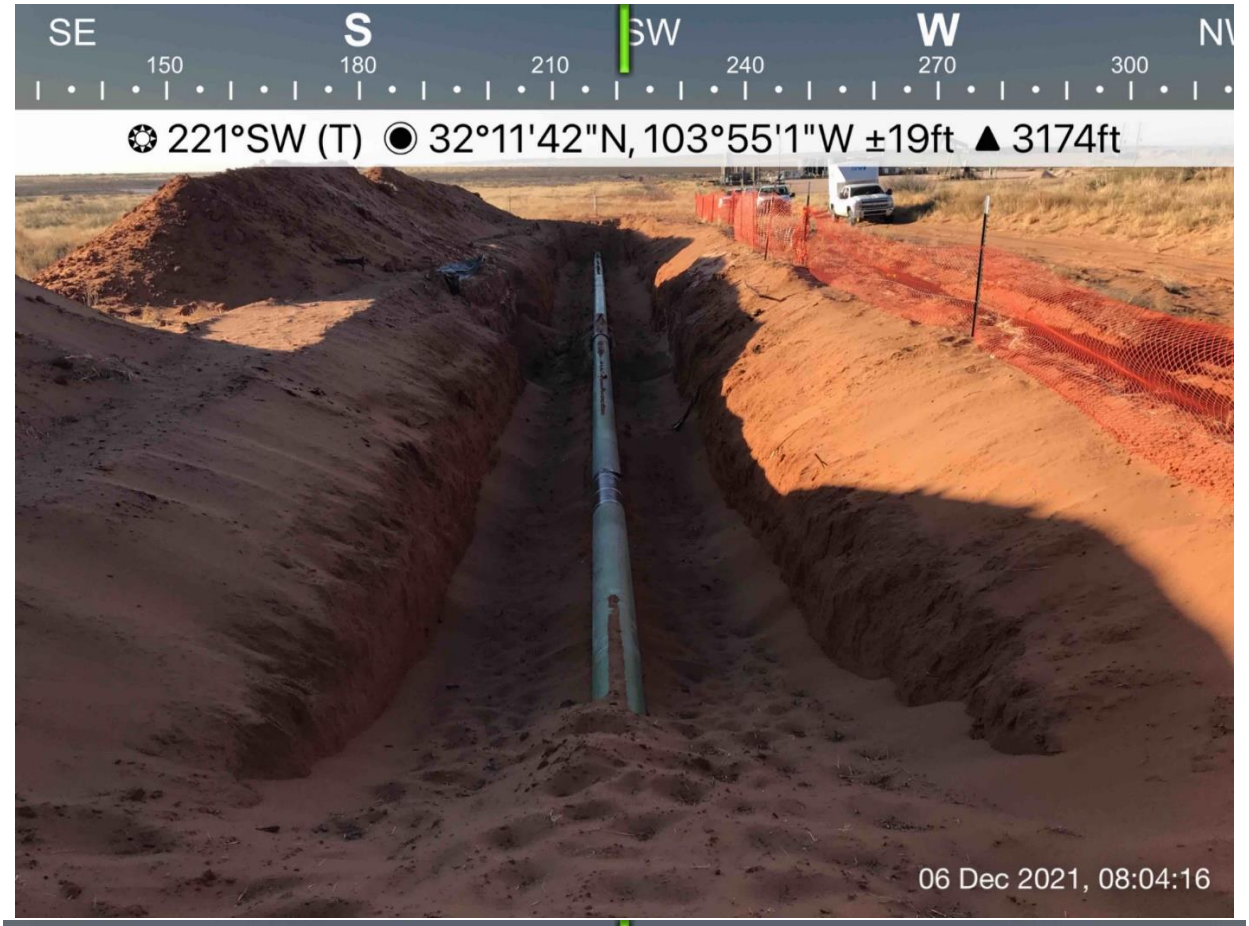
Pg. 7 of 7

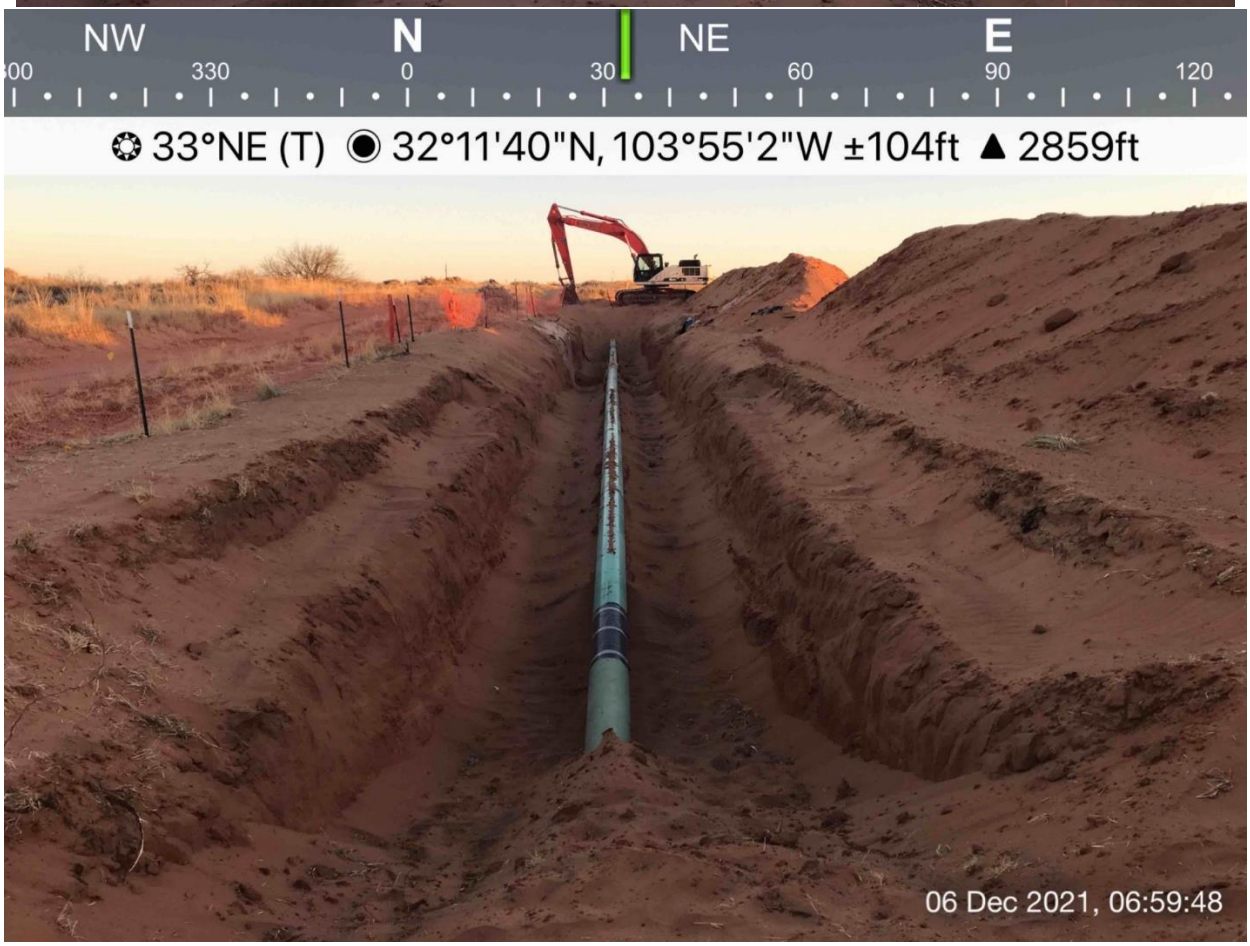
SMA

Field Screening

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 56	1156				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
↓ 57	1157				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
↓ 58	1158				Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	


SE
S
SW
W
NW
150
180
210
240
270
300
221°SW (T) 32°11'42"N, 103°55'1"W ±19ft ▲3174ft
06 Dec 2021, 08:04:16


NW
N
NE
E
330
0
30
60
90
120
33°NE (T) 32°11'40"N, 103°55'2"W ±104ft ▲2859ft
06 Dec 2021, 06:59:48


SE S SW W
120 150 180 210 240 270
204°SW (T) 32°11'42"N, 103°55'2"W ±19ft 3172ft
16 Dec 2021, 11:38:27


NE E SE S
30 60 90 120 150 180
98°E (T) 32°11'42"N, 103°55'2"W ±19ft 3169ft
16 Dec 2021, 11:37:39

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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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Sample Summary

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

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

CHBS-01

E112031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-02

E112031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-03

E112031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	**257**	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*196 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-04

E112031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Benzene	ND	0.0250	1	12/09/21	12/10/21	
Ethylbenzene	**0.169**	0.0250	1	12/09/21	12/10/21	
Toluene	**0.141**	0.0250	1	12/09/21	12/10/21	
o-Xylene	**0.304**	0.0250	1	12/09/21	12/10/21	
p,m-Xylene	**0.999**	0.0500	1	12/09/21	12/10/21	
Total Xylenes	**1.30**	0.0250	1	12/09/21	12/10/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*142 %*	*50-200*	*12/09/21*	*12/11/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-05

E112031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-06

E112031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHBS-07

E112031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWE-08

E112031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWE-09

E112031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWE-10

E112031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWE-11

E112031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWE-12

E112031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWW-13

E112031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWW-14

E112031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/09/21*	*12/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWW-15

E112031-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWW-16

E112031-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSWW-17

E112031-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHNEW-18

E112031-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSEW-19

E112031-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 9:48:00AM

CHSP-20

E112031-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*12/09/21*	*12/10/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/09/21*	*12/10/21*	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**Reported:**
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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

2D Turnaround

Page 1 of 2

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

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# PEB112031 CC 12/10/21

Job Number 19026-0001

TAT: 1D, 3D

EPA Program: RCRA, CWA, SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/21	1100		12-8-21	11:00
	12/8/21	1630		12/9/21	11:30

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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5795 US Highway 64 Farmington, NM 87401
24 Hour Emergency Response Phone 1800 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Page 2 of 2

2 DAY TAT

Client:	SMA
Project:	Chessia Perdue
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

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/21	1100		12-9-21	11:00
	12/8/21	1630		12/9/21	11:30

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory

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

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	Carrier: Fed Ex
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

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 seperate workorders as follows:E112031-E112040-E112041

Client Instruction

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

Date

envirotech Inc.

Project Information

Chain of Custody

2D Turnaround

Page 1 of 2

Client: SMA
Project: Chessmen
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# PEB112031
Job Number 19026-0001
COC 12/10/21

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/21	1100		12-8-21	11:00
	12/8/21	1630	Cauthy Chavez	12/9/21	11:30

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

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envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24-hour Emergency Response Phone (800) 362-1879
Phone: (505) 632-0615 Fax: (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

2 DAY TAT

Client:	SMA
Project:	Chessia 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#	Job Number
PE112031	19026-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
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 ~~1150~~ 1130			~~39~~ 1	CHSP20 ~~-58~~ ALA 12/10/21	20									N				

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)	Date	Time	Received by: (Signature)	Date	Time
	12/8/21	1100		12-9-21	11:00
	12/8/21	1630		12/9/21	11:30

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech
Analytical Laboratory
envirotech-inc.com
laboratory@envirotech-inc.com

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:	E112040
Job Number:	19026-0001
Received:	12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/21

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

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

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

CHSP-21

E112040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-22

E112040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-23

E112040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-24

E112040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-25

E112040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-26

E112040-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-27

E112040-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-28

E112040-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-29

E112040-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-30

E112040-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-31

E112040-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-32

E112040-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-33

E112040-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-34

E112040-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-35

E112040-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-36

E112040-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-37

E112040-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-38

E112040-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-39

E112040-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/12/2021 9:47:27AM

CHSP-40

E112040-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**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 - DRO/ORO

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 (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: n-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: n-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: n-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: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			

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

Anions by EPA 300.0/9056A

Analyst: IY

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

2d TAT

Client: SMA
Project: Chessapeak
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		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
PE112040	1902600001					

AM 12/10/21

Analysis and Method

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

Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
~~1120~~	~~12/6/21~~	~~Soil~~	~~1~~	~~CHSP-20~~ AM 12/10/21										X				
1121	↓	↓	1	CHSP-21	1									X				
1122			1	CHSP-22	2									X				
1123			1	CHSP-23	3									X				
1124			1	CHSP-24	4									X				
1125			1	CHSP-25	5									X				
1126			1	CHSP-26	6									X				
1127			1	CHSP-27	7									X				
1128			1	CHSP-28	8									X				
1129	↓	↓	1	CHSP-29	9									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)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/8/21	1100	[signature]	12/9/21	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

Texwell

City, State, Zip

Phone:

Email:

E112040
1902600001

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	BGDOC - TX
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 mislabelling the sample locat[illegible] date or

Samples requiring thermal preservation must b

Relinquished by: [signature] Date: 4/9/21 Time: 12:00

4°c Received on 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	Carrier: Fed Ex
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

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 seperate workorders as follows:E112031-E112040-E112041

Client Instruction

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

Date

envirotech Inc.

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:	E112041
Job Number:	19026-0001
Received:	12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/21

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

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

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

CHSP-41

E112041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-42

E112041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-43

E112041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-44

E112041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-45

E112041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-46

E112041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-47

E112041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-48

E112041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-49

E112041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-50

E112041-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-51

E112041-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-52

E112041-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-53

E112041-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-54

E112041-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-55

E112041-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-56

E112041-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-57

E112041-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Chessapeak	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	12/13/2021 4:34:14PM

CHSP-58

E112041-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	**Reported:**
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 - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (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	**Reported:**
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: n-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: n-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: n-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: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			

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

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150047-BLK1)									Prepared: 12/10/21 Analyzed: 12/10/21
Chloride	ND	20.0							
LCS (2150047-BS1)									Prepared: 12/10/21 Analyzed: 12/10/21
Chloride	252	20.0	250		101	90-110			
LCS Dup (2150047-BSD1)									Prepared: 12/10/21 Analyzed: 12/10/21
Chloride	253	20.0	250		101	90-110	0.325	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 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:	SMA
Project:	Chesapeake
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# ~~PEH2040~~ AM 12/10/21 | Job Number 1902600001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM (X)	BGDOC - TX	Remarks
~~1140~~	~~12/6/21~~	~~Soil~~	~~1~~	~~CHSP - 40~~ AM 12/10/21								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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/21	1100		12/9/21	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.

envirotech 5796 US Highway 64 Farmington, NM 87401 Ph: 505-632-0615 Fax: 505-632-1865 envirotech-inc.com

E112041

Client:	SMA
Project:	Chesapeake
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#: ~~E112040~~ AM 12/10/21 — Job Number: 190260001

TAT: 1D | 3D

EPA Program: RCRA | CWA | State: NM (X) | CO | UT | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remar
1150	12/6/21	Soil	1	CHSP - 50	10									X				
1151			1	CHSP - 51	11									X				
1152			1	CHSP - 52	12									X				
1153			1	CHSP - 53	13									X				
1154			1	CHSP - 54	14									X				
1155			1	CHSP - 55	15									X				
1156			1	CHSP - 56	16									X				
1157			1	CHSP - 57	17									X				
1158			1	CHSP - 58	18									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)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/8/21	1100	[signature]	12/9/21	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

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: 12/11/2021 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? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

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 seperate workorders as follows:E112031-E112040-E112041

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Subcontract Lab: na

Client Instruction

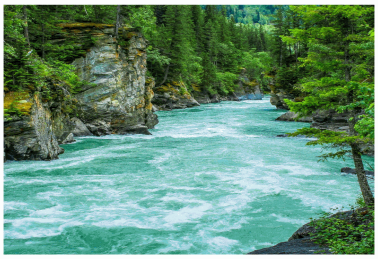
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

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:	Chesapeake
Work Order:	E112078
Job Number:	97057-0001
Received:	12/18/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/27/21

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: 12/27/21

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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

RCHBS-03

E112078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*12/20/21*	*12/22/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2152002
Gasoline Range Organics (C6-C10)	**390**	20.0	1	12/20/21	12/22/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*12/20/21*	*12/22/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*167 %*	*50-200*	*12/21/21*	*12/21/21*	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**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 - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**Reported:**
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2152001-BLK1)									Prepared: 12/20/21 Analyzed: 12/20/21
Chloride	ND	20.0							
LCS (2152001-BS1)									Prepared: 12/20/21 Analyzed: 12/20/21
Chloride	255	20.0	250		102	90-110			
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
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

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	**Reported:**
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 accociated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

97057-0001 PM 04/22/21

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project:	Attention: Enterprise	Lab WO# E P112078	Job Number ~~19026-0001~~
Project Manager:	Address:		1D / 3D / RCRA / CWA / SDWA
Address:	City, State, Zip		
City, State, Zip	Phone:		
Phone:	Email:		
Email: Ashley Maxwell			
Report due by:			

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				

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

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)	Date	Time	Received by: (Signature)	Date	Time
	12/16/21	1330		12.16.21	1330
	12.17.21	1235		12/18/21	10:43

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

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

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

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

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
Ph (505) 632-1881 Fx (505) 632-1865
24 Hour Emergency Response Phone (800) 362-1879
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 1 of 1

97057-0001 AM 12/22/21

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project: Chesapeake	Attention: Enterprise	Lab WO# EP11207 8	Job Number 19026-0001
Project Manager:	Address:		1D 3D / RCRA CWA SDWA
Address:	City, State, Zip		
City, State, Zip	Phone:		
Phone:	Email:		
Email: Ashley Maxwell			
Report due by:			

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	RCH BS-03	1									X				

Analysis and Method

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

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)	Date	Time	Received by: (Signature)	Date	Time
	12/16/21	1330		12.16.21	1330
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12.17.21	1235		12/18/21	10:43
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.

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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	Carrier: Fed Ex
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: 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 97273

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 97273
	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