

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	NRM2006951654
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Maria Lerma	Contact Telephone	432-686-5404
Contact email	mmlerma@eprod.com	Incident # (assigned by OCD)	NRM2006951654
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude N32.379200

Longitude W-104.308361

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	58481 WQU Pipeline	Site Type	Gathering Pipeline
Date Release Discovered	February 27, 2020	API# (if applicable)	

Unit Letter	Section	Township	Range	County
H	20	22S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Patricia Rayroux)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 374.6	Volume Recovered (Mcf) - 0
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	3 bbl Pipeline Liquids	

#### Cause of Release

A pipeline leak estimated at 369.7 MSCF of gas and 3 bbl of pipeline liquids occurred due to suspected internal corrosion and 4.9 MSCF of gas was released due to a controlled pipeline blowdown to facilitate repairs.

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

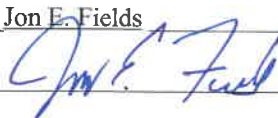
## Closure

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: Jon E. Fields Title: Director, Field Environmental  
Signature:  Date: 3/16/2021  
email: jefields@eprod.com Telephone: 713-381-6684

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Application ID	

**OCD Only**

Received by: Chad Hensley Date: 04/02/2021

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

Closure Approved by:  Date: 04/02/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220  
(575) 689-7040

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March 11, 2021

SMA #5E28981-BG3

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

**RE:** Additional confirmation samples for the 58481WQU Pipeline Release (Incident ID-NRM2006951654), Eddy County, New Mexico

To Whom it May Concern:

On behalf of Enterprise Field Services LLC, Souder, Miller & Associates (SMA) has prepared this letter report that describing additional confirmation samples collected in relation to the remediation of a release of liquids related to oil and gas production activities at the 58481WQU Pipeline. The site is located in Unit H, Section 20 Township 22S, Range 26E, Eddy County, New Mexico, on privately owned land.

A Remediation Closure Report was submitted for the entire release area on May 12, 2020. However, NMOCD did not approve the closure of the area labeled "Overspray" due to the inadequate number of samples collected per 19.15.29.12.C and requested that samples be collected every 200 ft<sup>2</sup>.

### **Final Confirmation Sampling of the Overspray Area**

On August 26, 2020, Ms. Victoria Venegas, New Mexico Oil Conservation Division, approved the proposed sampling plan of 155 additional confirmation samples from the Overspray Area for the closure of the 58481WQU pipeline release (NRM2006951654).

On August 28, 2020, SMA personnel collected a total of 155 samples confirmation samples from the surface of the Overspray Area (see Figure 1). Laboratory results indicated all samples except for nine (9) sample locations (CS3, CS4, CS9, CS10, CS14, CS16, CS22, CS144, and CS149) met NMOCD closure criteria. The nine samples that failed to meet NMOCD closure criteria exceeded for TPH.

Following the completion of a 48-hour notification to OCD, SMA returned to site on January 15, 2021 to recollect nine (9) confirmation samples (RCS3, RCS4, RCS9, RCS10, RCS14, RCS16, RCS22, RCS144, and RCS149) from the excavated areas.

Samples from both events were submitted to Envirotech, Inc. Analytical Laboratory for analysis. Samples were analyzed for total chloride using EPA Method 300.0; benzene,



Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

SMA #5E8981-BG3

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.

Laboratory results indicate that all samples meet NMOCD closure criteria. A summary of analytical results can be found in Table 1. A copy of laboratory reports can be found in Appendix B.

SMA recommends no further action for this release and requests closure.

Souder, Miller and Associates appreciates the opportunity to provide environmental services to you. If you have any questions or comments concerning this report, please feel free to call Ashley Maxwell at 505-320-8975.

Sincerely,  
Souder, Miller & Associates



Ashley Maxwell  
Project Scientist



Shawna Chubbuck  
Senior Scientist

### Figures:

Figure 1: Sample Location Map

### Tables:

Table 1: Sample Results

### Appendices

Appendix A: Photo Log

Appendix B: Envirotech Laboratory Reports

Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

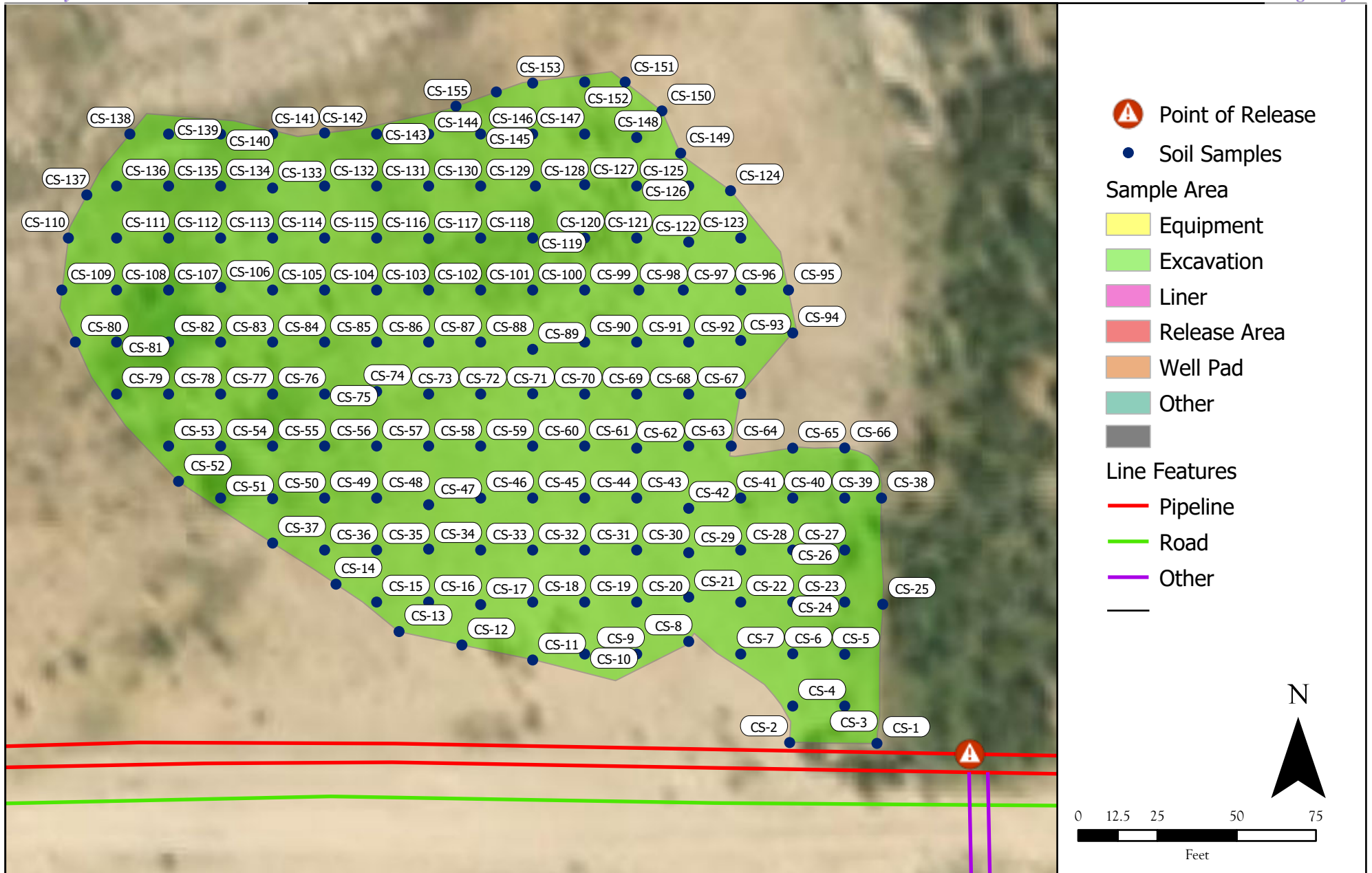
SMA #5E8981-BG3

**APPENDIX B**  
**ENVIROTECH LABORATORY REPORTS**

Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

SMA #5E8981-BG3

## FIGURE



Sample Locations in Excavation  
58481WQU Pipeline- Enterprise Field Services LL  
Eddy County, New Mexico

Figure 1

Date Saved:  
2/9/2021

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

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Drawn Jake Madison  
Date 2/11/2021  
Checked \_\_\_\_\_  
Approved \_\_\_\_\_



201 South Halagueno Street  
Carlsbad, New Mexico 88220  
(575) 689-8801  
Serving the Southwest & Rocky Mountains

Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

SMA #5E8981-BG3

**TABLE 1**

Table 1:  
Sample ResultsEnterprise Field Services LLC  
58481WQU Pipeline

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 Reclamation Requirement (0-4			50	10	--	--	--	100	600
CS1	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	314
CS2	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	33.9	<50.0	33.9	177
CS3   RCS3	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	165	134	299	159
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	47.6
CS4   RCS4	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	126	124	250	235
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	163
CS5	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	38.4	<50.0	38.4	65.6
CS6	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	105
CS7	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	270
CS8	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	62.8	<50.0	62.8	193
CS9   RCS9	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	233	226	459	156
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.6
CS10   RCS10	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	87.7	96.9	184.6	245
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	59.5
CS11	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	62.3
CS12	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	39	<50	39	157
CS13	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	290
CS14   RCS14	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	105	79.6	184.6	152
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS15	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	228
CS16   RSC16	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	61.5	53	114.5	243
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS17	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	49.9
CS18	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	141
CS19	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	306
CS20	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	223
CS21	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	32	<50.0	32	219
CS22   RSC22	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	86.2	69.1	155.3	188
	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	57.9
CS23	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	47.7
CS24	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	113
CS25	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	131
CS26	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	86.7
CS27	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	66.2
CS28	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	73.2
CS29	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	182
CS30	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	160
CS31	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	157
CS32	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	135
CS33	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	211
CS34	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	143
CS35	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	123
CS36	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	147
CS37	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	160
CS38	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	199



Table 1:  
Sample ResultsEnterprise Field Services LLC  
58481WQU Pipeline

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 Reclamation Requirement (0-4			50	10	--	--	--	100	600
CS39	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	143
CS40	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	192
CS41	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	126
CS42	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	127
CS43	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	147
CS44	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	150
CS45	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	56.6
CS46	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	54.3
CS47	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55
CS48	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	133
CS49	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	92.2
CS50	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	75.4
CS51	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	89.8
CS52	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	81.4
CS53	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	65.1
CS54	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	68.6
CS55	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	69
CS56	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<60.7
CS57	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	85.3
CS58	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	77
CS59	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	72
CS60	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	75.8
CS61	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	128
CS62	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	141
CS63	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	121
CS64	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	124
CS65	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	85
CS66	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	102
CS67	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	100
CS68	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	109
CS69	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	108
CS70	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	82.2
CS71	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.3
CS72	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	86.7
CS73	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	71.9
CS74	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	86.8
CS75	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	139
CS76	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	115
CS77	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	71.8
CS78	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	57.6
CS79	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	56.9
CS80	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	63.2
CS81	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	60.1
CS82	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.1
CS83	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	69.7

Table 1:  
Sample ResultsEnterprise Field Services LLC  
58481WQU Pipeline

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 Reclamation Requirement (0-4			50	10	--	--	--	100	600
CS84	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.5
CS85	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.3
CS86	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	76.9
CS87	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	63.7
CS88	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	49.1
CS89	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	57.1
CS90	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	142
CS91	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	129
CS92	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	76
CS93	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.2
CS94	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	43
CS95	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.8
CS96	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	52.4
CS97	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.8
CS98	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	107
CS99	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	103
CS100	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	116
CS101	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55.7
CS102	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.7
CS103	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.8
CS104	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	45
CS105	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.5
CS106	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	43.2
CS107	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.1
CS108	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.8
CS109	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.2
CS110	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.8
CS111	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.2
CS112	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.5
CS113	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	103
CS114	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	107
CS115	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	124
CS116	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	68.9
CS117	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	76.6
CS118	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	81.2
CS119	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	105
CS120	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	107
CS121	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55
CS122	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	26.1
CS123	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	49.2
CS124	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	37.9
CS125	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.2
CS126	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	28.8
CS127	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.3
CS128	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	40.1

Table 1:  
Sample ResultsEnterprise Field Services LLC  
58481WQU Pipeline

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 Reclamation Requirement (0-4			50	10	--	--	--	100	600
CS129	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	33.3
CS130	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	34.7
CS131	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.3
CS132	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	35
CS133	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	52.2
CS134	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	42.2
CS135	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	49.3
CS136	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	77.2
CS137	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	184
CS138	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	77.3
CS139	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.4
CS140	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	65
CS141	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	81.6
CS142	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	26
CS143	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	37.6	<50.0	37.6	47.3
CS144	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	50.7	60.5	111.2	46.3
RCS144	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	158
CS145	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	124
CS146	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	115
CS147	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	47.6
CS148	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	42
CS149	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	121	81.5	202.5	72.4
RCS149	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	83.7
CS150	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	46.4
CS151	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	52.8
CS152	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	26.5	<50.0	26.5	38.3
CS153	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	42.7
CS154	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	140
CS155	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	49.8	<50.0	49.8	87.2

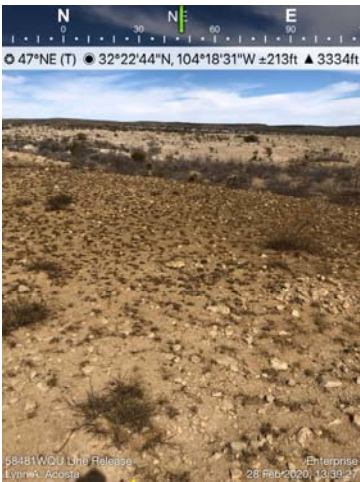
"--" = Not Analyzed

BG: Background sample

Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

SMA #5E8981-BG3

## **APPENDIX A PHOTO LOG**



Enterprise Field Services, LLC  
58481WQU Pipeline Release (NRM2006951654)

SMA #5E8981-BG3

**APPENDIX B  
ENVIROTECH LABORATORY REPORTS**





## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008108

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:24

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 1	P008108-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 2	P008108-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 3	P008108-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 4	P008108-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 5	P008108-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 6	P008108-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 7	P008108-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 8	P008108-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 9	P008108-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 10	P008108-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 11	P008108-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 12	P008108-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 13	P008108-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 14	P008108-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 15	P008108-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 16	P008108-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 17	P008108-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 18	P008108-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 19	P008108-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 20	P008108-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:24

**CS 1**  
**P008108-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	314	20.0	1	08/29/20	08/29/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 2**  
**P008108-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.6 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.5 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	33.9	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	177	20.0	1	08/29/20	08/29/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 3**  
**P008108-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	165	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	134	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	107 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	159	20.0	1	08/29/20	08/29/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 4**  
**P008108-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.1 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	126	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	124	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	235	20.0	1	08/29/20	08/29/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 5**  
**P008108-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.4 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	38.4	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	65.6	20.0	1	08/29/20	08/29/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 6**  
**P008108-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	107 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	105	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 7**  
**P008108-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	270	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 8**  
**P008108-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.7 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	62.8	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	193	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 9**  
**P008108-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.7 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	233	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	226	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	107 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	156	20.0	1	08/29/20	08/29/20	

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**CS 10**  
**P008108-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	50-150	08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	87.7	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	96.9	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	245	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 11**  
**P008108-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	62.3	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 12**  
**P008108-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.8 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	39.0	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	157	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 13**  
**P008108-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	290	20.0	1	08/29/20	08/29/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:24

**CS 14**  
**P008108-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
Surrogate: 4-Bromochlorobenzene-PID	97.8 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	50-150		08/29/20	08/29/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	105	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	79.6	50.0	1	08/29/20	08/29/20	
Surrogate: n-Nonane	104 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2035050
Chloride	152	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 15**  
**P008108-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.0 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	228	20.0	1	08/29/20	08/29/20	

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Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 16**  
**P008108-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.7 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	61.5	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	53.0	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	243	20.0	1	08/29/20	08/29/20	

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**CS 17**  
**P008108-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	49.9	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 18**  
**P008108-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	141	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 19**  
**P008108-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.1 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/29/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/29/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/29/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	306	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:24
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 20**  
**P008108-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035043
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.0 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035040
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035050
Chloride	223	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:24

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035043-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	50-150			

#### LCS (2035043-BS1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	50-150			

#### Matrix Spike (2035043-MS1)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.13	0.0250	5.00	ND	103	54-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.16	0.0250	5.00	ND	103	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	50-150			

#### Matrix Spike Dup (2035043-MSD1)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.13	0.0250	5.00	ND	103	54-133	0.109	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	0.623	20	
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133	0.664	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	0.504	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	0.492	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	0.500	20	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:24

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035043-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	50-150			

#### LCS (2035043-BS2)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	50-150			

#### Matrix Spike (2035043-MS2)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	50-150			

#### Matrix Spike Dup (2035043-MSD2)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:24

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

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

#### Blank (2035040-BLK1)

Prepared & Analyzed: 08/29/20 0

Diesel Range Organics (C10-C28)  
Oil Range Organics (C28-C40)

ND  
ND

25.0  
50.0

Surrogate: *n*-Nonane

49.9

50.0

99.9

50-200

#### LCS (2035040-BS1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Diesel Range Organics (C10-C28)

503

25.0

500

101

38-132

Surrogate: *n*-Nonane

55.8

50.0

112

50-200

#### Matrix Spike (2035040-MS1)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)

504

25.0

500

ND

101

38-132

Surrogate: *n*-Nonane

56.8

50.0

114

50-200

#### Matrix Spike Dup (2035040-MSD1)

Source: P008108-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)

475

25.0

500

ND

95.0

38-132

5.90

20

Surrogate: *n*-Nonane

54.2

50.0

108

50-200

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:24

#### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2035050-BLK1)

Prepared &amp; Analyzed: 08/29/20 1

Chloride	ND	20.0							
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#### LCS (2035050-BS1)

Prepared &amp; Analyzed: 08/29/20 1

Chloride	249	20.0	250		99.4	90-110			
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#### Matrix Spike (2035050-MS1)

Source: P008108-01

Prepared &amp; Analyzed: 08/29/20 1

Chloride	560	20.0	250	314	98.3	80-120			
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#### Matrix Spike Dup (2035050-MSD1)

Source: P008108-01

Prepared &amp; Analyzed: 08/29/20 1

Chloride	553	20.0	250	314	95.5	80-120	1.24	20	
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:24

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

Page 1 of 16

Client: SMA				Bill To		Lab Use Only				TAT		EPA Program							
Project: 58481 WQU				Attention: Enterprise		Lab WO# P009108		Job Number 970570001		1D 3D		RCRA		CWA		SDWA			
Project Manager: Ashley Maxwell				Address:		Analysis and Method										State			
Address:				City, State, Zip												NM CO UT AZ			
City, State, Zip				Phone:												TX OK			
Phone:				Email:															
Email: Ashley & Lynn																			
Report due by:																			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks					
	8.28.20	S	1	CS1	1							X							
	8.28.20	S	1	CS2	2							X							
	8.28.20	S	1	CS3	3							X							
	8.28.20	S	1	CS4	4							X							
	8.28.20	S	1	CS5	5							X							
	8.28.20	S	1	CS6	6							X							
	8.28.20	S	1	CS7	7							X							
	8.28.20	S	1	CS8	8							X							
	8.28.20	S	1	CS9	9							X							
	8.28.20	S	1	CS10	10							X							
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:																			
Relinquished by: (Signature) <i>[Signature]</i>						Date 8.28.2020		Time 1600		Received by: (Signature) <i>[Signature]</i>						Date 8/28		Time 1600	
Relinquished by: (Signature) <i>[Signature]</i>						Date 8/28		Time 1900		Received by: (Signature) <i>[Signature]</i>						Date 8/28/20		Time 19:12	
Relinquished by: (Signature) <i>[Signature]</i>						Date		Time		Received by: (Signature) <i>[Signature]</i>						Date		Time	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Project Information

## Chain of Custody

Page 2 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: _____ City, State, Zip _____ Phone: _____ Email: _____		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008108		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX												State			
Address: _____																		NM	CO	UT	AZ
City, State, Zip _____																		TX	OK		
Phone: _____																Remarks					
Email: Ashley & Lynn																					
Report due by: _____																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																
	8.28.20	S	1	CS11	11									X							
	8.28.20	S	1	CS12	12									X							
	8.28.20	S	1	CS13	13									X							
	8.28.20	S	1	CS14	14									X							
	8.28.20	S	1	CS15	15									X							
	8.28.20	S	1	CS16	16									X							
	8.28.20	S	1	CS17	17									X							
	8.28.20	S	1	CS18	18									X							
	8.28.20	S	1	CS19	19									X							
	8.28.20	S	1	CS20	20									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 8.28.2020	Time 1600	Received by: (Signature)	Date 8/28	Time 1600	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8/28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008109

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21	P008109-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS22	P008109-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS23	P008109-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS24	P008109-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS25	P008109-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS26	P008109-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS27	P008109-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS28	P008109-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS29	P008109-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS30	P008109-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS31	P008109-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS32	P008109-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS33	P008109-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS34	P008109-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS35	P008109-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS36	P008109-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS37	P008109-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS38	P008109-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS39	P008109-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS40	P008109-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS21**  
**P008109-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	32.0	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	219	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS22**  
**P008109-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	86.2	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	69.1	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	108 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	188	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS23**  
**P008109-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	47.7	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS24**  
**P008109-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	113	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS25**  
**P008109-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	131	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS26**  
**P008109-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	86.7	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS27**  
**P008109-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.4 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	102 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	66.2	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS28**  
**P008109-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	73.2	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS29**  
**P008109-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	182	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS30**  
**P008109-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	160	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 97057-0001 Project Manager: Ashley Maxwell	Reported: 09/03/20 12:28
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**CS31**  
**P008109-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
Surrogate: n-Nonane	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	157	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS32**  
**P008109-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.7 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	135	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS33**  
**P008109-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	211	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS34**  
**P008109-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	108 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	143	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS35**  
**P008109-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	123	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS36**  
**P008109-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.4 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	147	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS37**  
**P008109-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	160	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS38**  
**P008109-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.1 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	108 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	199	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS39**  
**P008109-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.6 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	143	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS40**  
**P008109-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035044
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.7 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	105 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035051
Chloride	192	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035044-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	50-150			

#### LCS (2035044-BS1)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.94	0.0250	5.00		98.9	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
o-Xylene	4.83	0.0250	5.00		96.7	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	50-150			

#### Matrix Spike (2035044-MS1)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	4.87	0.0250	5.00	ND	97.4	54-133			
Toluene	4.98	0.0250	5.00	ND	99.7	61-130			
Ethylbenzene	4.93	0.0250	5.00	ND	98.5	61-133			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	50-150			

#### Matrix Spike Dup (2035044-MSD1)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	5.00	0.0250	5.00	ND	100	54-133	2.63	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	2.88	20	
Ethylbenzene	5.09	0.0250	5.00	ND	102	61-133	3.21	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.30	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	2.81	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	3.14	20	
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035044-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	50-150			

#### LCS (2035044-BS2)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	50-150			

#### Matrix Spike (2035044-MS2)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	50-150			

#### Matrix Spike Dup (2035044-MSD2)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130	0.0646	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.8	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

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

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

#### Blank (2035041-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

#### LCS (2035041-BS1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Diesel Range Organics (C10-C28)	513	25.0	500		103	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			

#### Matrix Spike (2035041-MS1)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	561	25.0	500	32.0	106	38-132			
Surrogate: n-Nonane	57.2		50.0		114	50-200			

#### Matrix Spike Dup (2035041-MSD1)

Source: P008109-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	526	25.0	500	32.0	98.9	38-132	6.45	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

#### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2035051-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/29/20 2

Chloride	ND	20.0
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#### LCS (2035051-BS1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 0

Chloride	251	20.0	250	100	90-110
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#### Matrix Spike (2035051-MS1)

Source: P008109-01 Prepared: 08/29/20 1 Analyzed: 08/30/20 0

Chloride	468	20.0	250	219	99.8	80-120
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#### Matrix Spike Dup (2035051-MSD1)

Source: P008109-01 Prepared: 08/29/20 1 Analyzed: 08/30/20 0

Chloride	455	20.0	250	219	94.5	80-120	2.87	20
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

Page 3 of 16

Client: SMA					<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program									
Project: 58481 WQU							Lab WO# P008109		Job Number 97057-0001				1D	3D	RCRA	CWA	SDWA							
Project Manager: Ashley Maxwell							Analysis and Method											State						
Address:							DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX					NM	CO	UT	AZ
City, State, Zip																					TX	OK		
Phone:																								
Email: Ashley & Lynn																								
Report due by:																								
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																		Remarks	
	8.28.20	S	1	CS21	21																			
	8.28.20	S	1	CS22	22																			
	8.28.20	S	1	CS23	23																			
	8.28.20	S	1	CS24	24																			
	8.28.20	S	1	CS25	5																			
	8.28.20	S	1	CS26	6																			
	8.28.20	S	1	CS27	7																			
	8.28.20	S	1	CS28	8																			
	8.28.20	S	1	CS29	9																			
	8.28.20	S	1	CS30	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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28.	Time 1600	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Project Information

## Chain of Custody

Page 4 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program					
Project: 58481 WQU						Lab WO# P009109		Job Number 97057-0001				1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method													
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX	State			
City, State, Zip																NM	CO	UT	AZ
Phone:																			
Email: Ashley & Lynn																			
Report due by:																			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number											Remarks			
	8.28.20	S	1	CS31	11								X						
	8.28.20	S	1	CS32	12								X						
	8.28.20	S	1	CS33	13								X						
	8.28.20	S	1	CS34	14								X						
	8.28.20	S	1	CS35	15								X						
	8.28.20	S	1	CS36	16								X						
	8.28.20	S	1	CS37	17								X						
	8.28.20	S	1	CS38	18								X						
	8.28.20	S	1	CS39	19								X						
	8.28.20	S	1	CS40	20								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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: Y/ N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008110

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:30

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 41	P008110-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 42	P008110-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 43	P008110-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 44	P008110-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 45	P008110-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 46	P008110-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 47	P008110-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 48	P008110-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 49	P008110-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 50	P008110-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 51	P008110-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 52	P008110-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 53	P008110-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 54	P008110-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 55	P008110-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 56	P008110-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 57	P008110-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 58	P008110-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 59	P008110-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS 60	P008110-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 41**  
**P008110-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	126	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 42**  
**P008110-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	127	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 43**  
**P008110-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	147	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 44**  
**P008110-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	150	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 45**  
**P008110-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	56.6	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 46**  
**P008110-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	54.3	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 47**  
**P008110-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.8 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	55.0	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 48**  
**P008110-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	133	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 49**  
**P008110-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	92.2	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 50**  
**P008110-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	75.4	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 51**  
**P008110-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	89.8	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 52**  
**P008110-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	81.4	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:30

**CS 53**  
**P008110-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	65.1	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:30

**CS 54**  
**P008110-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	68.6	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 55**  
**P008110-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	69.0	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 56**  
**P008110-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	60.7	20.0	1	08/29/20	08/30/20	

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201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 57**  
**P008110-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	85.3	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 58**  
**P008110-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	77.0	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 59**  
**P008110-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.4 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	72.0	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:30
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS 60**  
**P008110-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035045
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	110 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035054
Chloride	75.8	20.0	1	08/29/20	08/30/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:30

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035045-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 2

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	50-150			

#### LCS (2035045-BS1)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	5.34	0.0250	5.00		107	70-130			
Toluene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.34	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
o-Xylene	5.39	0.0250	5.00		108	70-130			
Total Xylenes	16.1	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	50-150			

#### Matrix Spike (2035045-MS1)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	5.31	0.0250	5.00	ND	106	54-133			
Toluene	5.33	0.0250	5.00	ND	107	61-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	61-133			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
o-Xylene	5.35	0.0250	5.00	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

#### Matrix Spike Dup (2035045-MSD1)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Benzene	5.53	0.0250	5.00	ND	111	54-133	4.06	20	
Toluene	5.55	0.0250	5.00	ND	111	61-130	3.99	20	
Ethylbenzene	5.51	0.0250	5.00	ND	110	61-133	4.11	20	
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	4.09	20	
o-Xylene	5.57	0.0250	5.00	ND	111	63-131	4.01	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	4.06	20	
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:30

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035045-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 2

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	50-150			

#### LCS (2035045-BS2)

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	50-150			

#### Matrix Spike (2035045-MS2)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	50-150			

#### Matrix Spike Dup (2035045-MSD2)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 08/30/20 0

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	6.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:30

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

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

#### Blank (2035042-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

#### LCS (2035042-BS1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Diesel Range Organics (C10-C28)	510	25.0	500		102	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

#### Matrix Spike (2035042-MS1)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	514	25.0	500	ND	103	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

#### Matrix Spike Dup (2035042-MSD1)

Source: P008110-01

Prepared: 08/29/20 0 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	510	25.0	500	ND	102	38-132	0.732	20	
Surrogate: n-Nonane	59.2		50.0		118	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:30

#### Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
<b>Blank (2035054-BLK1)</b>									
Chloride	ND	20.0							Prepared: 08/29/20 1 Analyzed: 08/30/20 0
<b>LCS (2035054-BS1)</b>									
Chloride	252	20.0	250		101	90-110			Prepared: 08/29/20 1 Analyzed: 08/30/20 0
<b>Matrix Spike (2035054-MS1)</b>									
Chloride	371	20.0	250	126	97.8	80-120			Source: P008110-01 Prepared: 08/29/20 1 Analyzed: 08/30/20 0
<b>Matrix Spike Dup (2035054-MSD1)</b>									
Chloride	371	20.0	250	126	97.8	80-120	0.0377	20	Source: P008110-01 Prepared: 08/29/20 1 Analyzed: 08/30/20 0

#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:30

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

Page 5 of 16

Client: SMA		Bill To Attention: Enterprise Address: City, State, Zip Phone: Email:	Lab Use Only				TAT		EPA Program		
Project: 58481 WQU			Lab WO# P008110		Job Number 97057-0001		1D	3D	RCRA	CWA	SDWA
Project Manager: Ashley Maxwell			Analysis and Method								
Address:			State								
City, State, Zip			NM CO UT AZ								
Phone:			TX OK								
Email: Ashley & Lynn		Remarks									
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	BDOC - NM	BDOC - TX	Remarks
	8.28.20	S	1	CS41	1							X		
	8.28.20	S	1	CS42	2							X		
	8.28.20	S	1	CS43	3							X		
	8.28.20	S	1	CS44	4							X		
	8.28.20	S	1	CS45	5							X		
	8.28.20	S	1	CS46	6							X		
	8.28.20	S	1	CS47	7							X		
	8.28.20	S	1	CS48	8							X		
	8.28.20	S	1	CS49	9							X		
	8.28.20	S	1	CS50	10							X		

## Additional Instructions:

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

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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: <u>Y</u> / N T1 T2 T3 AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28.	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Project Information

## Chain of Custody

Page 6 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P009110		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX												State			
Address:																		NM	CO	UT	AZ
City, State, Zip																		TX	OK		
Phone:				Remarks																	
Email: Ashley & Lynn																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																
	8.28.20	S	1	CS51	11									X							
	8.28.20	S	1	CS52	12									X							
	8.28.20	S	1	CS53	13									X							
	8.28.20	S	1	CS54	14									X							
	8.28.20	S	1	CS55	15									X							
	8.28.20	S	1	CS56	16									X							
	8.28.20	S	1	CS57	17									X							
	8.28.20	S	1	CS58	18									X							
	8.28.20	S	1	CS59	19									X							
	8.28.20	S	1	CS60	20									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	Lab Use Only													
		8.28.2020	1600			8.28	1600	Received on ice: Y / N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
		8.28	1900			8/28/20	19:12														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																					



## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008111

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS61	P008111-01A	Solid	08/28/20	08/28/20	Glass Jar, 4 oz.
CS62	P008111-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS63	P008111-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS64	P008111-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS65	P008111-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS66	P008111-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS67	P008111-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS68	P008111-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS69	P008111-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS70	P008111-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS71	P008111-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS72	P008111-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS73	P008111-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS74	P008111-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS75	P008111-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS76	P008111-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS77	P008111-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS78	P008111-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS79	P008111-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS80	P008111-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS61**  
**P008111-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.6 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	128	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS62**  
**P008111-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	107 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	141	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS63**  
**P008111-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	121	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS64**  
**P008111-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.5 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	124	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS65**  
**P008111-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.7 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	85.0	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 97057-0001 Project Manager: Ashley Maxwell	Reported: 09/03/20 12:28
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**CS66**  
**P008111-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
Surrogate: 4-Bromochlorobenzene-PID	102 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.8 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
Surrogate: n-Nonane	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	102	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS67**  
**P008111-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	100	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS68**  
**P008111-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.6 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	109	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS69**  
**P008111-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.1 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.7 %	50-150		08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	108	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	Reported: 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS70**  
**P008111-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	82.2	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS71**  
**P008111-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	51.3	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS72**  
**P008111-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	86.7	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS73**  
**P008111-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	71.9	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS74**  
**P008111-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	86.8	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS75**  
**P008111-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.7 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	139	20.0	1	08/29/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS76**  
**P008111-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	50-150		08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.3 %	50-150		08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	101 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	115	20.0	1	08/29/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS77**  
**P008111-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	71.8	20.0	1	08/29/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS78**  
**P008111-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	57.6	20.0	1	08/29/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:28
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS79**  
**P008111-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	56.9	20.0	1	08/29/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

**CS80**  
**P008111-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035052
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.9 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2035058
Chloride	63.2	20.0	1	08/29/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035052-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	50-150			

#### LCS (2035052-BS1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Benzene	5.40	0.0250	5.00		108	70-130			
Toluene	5.42	0.0250	5.00		108	70-130			
Ethylbenzene	5.39	0.0250	5.00		108	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
o-Xylene	5.45	0.0250	5.00		109	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	50-150			

#### Matrix Spike (2035052-MS1)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Benzene	5.62	0.0250	5.00	ND	112	54-133			
Toluene	5.64	0.0250	5.00	ND	113	61-130			
Ethylbenzene	5.62	0.0250	5.00	ND	112	61-133			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
o-Xylene	5.66	0.0250	5.00	ND	113	63-131			
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	50-150			

#### Matrix Spike Dup (2035052-MSD1)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Benzene	5.26	0.0250	5.00	ND	105	54-133	6.77	20	
Toluene	5.26	0.0250	5.00	ND	105	61-130	7.05	20	
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133	6.87	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	6.86	20	
o-Xylene	5.29	0.0250	5.00	ND	106	63-131	6.77	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	6.83	20	
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035052-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	50-150			

#### LCS (2035052-BS2)

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	50-150			

#### Matrix Spike (2035052-MS2)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	50-150			

#### Matrix Spike Dup (2035052-MSD2)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 1

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130	1.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

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

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

#### Blank (2035059-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	58.5		50.0		117	50-200			

#### LCS (2035059-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	499	25.0	500		99.8	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			

#### Matrix Spike (2035059-MS1)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	489	25.0	500	ND	97.7	38-132			
Surrogate: n-Nonane	57.2		50.0		114	50-200			

#### Matrix Spike Dup (2035059-MSD1)

Source: P008111-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	481	25.0	500	ND	96.2	38-132	1.61	20	
Surrogate: n-Nonane	54.0		50.0		108	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:28

#### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2035058-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Chloride	ND	20.0
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#### LCS (2035058-BS1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Chloride	247	20.0	250	98.9	90-110
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#### Matrix Spike (2035058-MS1)

Source: P008111-01 Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Chloride	382	20.0	250	128	102	80-120
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#### Matrix Spike Dup (2035058-MSD1)

Source: P008111-01 Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Chloride	383	20.0	250	128	102	80-120	0.332	20
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:28

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

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Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008111		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX												State			
Address:																		NM	CO	UT	AZ
City, State, Zip																		TX	OK		
Phone:																					
Email: Ashley & Lynn																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number												Remarks				
	8.28.20	S	1	CS61	1										X						
	8.28.20	S	1	CS62	2										X						
	8.28.20	S	1	CS63	3										X						
	8.28.20	S	1	CS64	4										X						
	8.28.20	S	1	CS65	5										X						
	8.28.20	S	1	CS66	6										X						
	8.28.20	S	1	CS67	7										X						
	8.28.20	S	1	CS68	8										X						
	8.28.20	S	1	CS69	9										X						
	8.28.20	S	1	CS70	10										X						
<b>Additional Instructions:</b>																					
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	Lab Use Only													
		8.28.2020	1600			8.28	1600	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
		8.28	1900			8/28/20	19:12														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																					



## Project Information

## Chain of Custody

Page 8 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program				
Project: 58481 WQU						Lab WO# P 008111		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA
Project Manager: Ashley Maxwell																		
Address:						Analysis and Method												
City, State, Zip						State												
Phone:				NM CO UT AZ X TX OK														
Email: Ashley & Lynn																		
Report due by:																		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC - NM	BDOC - TX			Remarks
	8.28.20	S	1	CS71	11									X				
	8.28.20	S	1	CS72	12									X				
	8.28.20	S	1	CS73	13									X				
	8.28.20	S	1	CS74	14									X				
	8.28.20	S	1	CS75	15									X				
	8.28.20	S	1	CS76	16									X				
	8.28.20	S	1	CS77	17									X				
	8.28.20	S	1	CS78	18									X				
	8.28.20	S	1	CS79	19									X				
	8.28.20	S	1	CS80	20									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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 4
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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





## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008112

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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 NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:31

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS81	P008112-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS82	P008112-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS83	P008112-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS84	P008112-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS85	P008112-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS86	P008112-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS87	P008112-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS88	P008112-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS89	P008112-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS90	P008112-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS91	P008112-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS92	P008112-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS93	P008112-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS94	P008112-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS95	P008112-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS96	P008112-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS97	P008112-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS98	P008112-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS99	P008112-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS100	P008112-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS81**  
**P008112-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/30/20	
Toluene	ND	0.0250	1	08/29/20	08/30/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/30/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/30/20	
o-Xylene	ND	0.0250	1	08/29/20	08/30/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/30/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.1 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	50-150	08/29/20	08/30/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	09/01/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	60.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS82**  
**P008112-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	64.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS83**  
**P008112-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	69.7	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS84**  
**P008112-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	44.5	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS85**  
**P008112-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	48.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS86**  
**P008112-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	76.9	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS87**  
**P008112-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	63.7	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS88**  
**P008112-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	49.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS89**  
**P008112-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	57.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS90**  
**P008112-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	142	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS91**  
**P008112-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	129	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS92**  
**P008112-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	76.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS93**  
**P008112-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	51.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS94**  
**P008112-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	43.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS95**  
**P008112-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	51.8	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS96**  
**P008112-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	52.4	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS97**  
**P008112-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	32.8	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:31
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS98**  
**P008112-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	107	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS99**  
**P008112-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.8 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	103	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

**CS100**  
**P008112-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035053
Benzene	ND	0.0250	1	08/29/20	08/31/20	
Toluene	ND	0.0250	1	08/29/20	08/31/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/31/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/31/20	
o-Xylene	ND	0.0250	1	08/29/20	08/31/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/31/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	50-150	08/29/20	08/31/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035060
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036003
Chloride	116	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035053-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	50-150			

#### LCS (2035053-BS1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	50-150			

#### Matrix Spike (2035053-MS1)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Benzene	4.84	0.0250	5.00	ND	96.9	54-133			
Toluene	4.99	0.0250	5.00	ND	99.8	61-130			
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	61-133			
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131			
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	50-150			

#### Matrix Spike Dup (2035053-MSD1)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Benzene	4.89	0.0250	5.00	ND	97.7	54-133	0.883	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	0.536	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	0.827	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	0.715	20	
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131	0.287	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	0.572	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035053-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	50-150			

#### LCS (2035053-BS2)

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	50-150			

#### Matrix Spike (2035053-MS2)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 08/30/20 2

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	50-150			

#### Matrix Spike Dup (2035053-MSD2)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 08/31/20 0

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	0.253	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:31

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

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

#### Blank (2035060-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

#### LCS (2035060-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	478	25.0	500		95.6	38-132			
Surrogate: n-Nonane	53.7		50.0		107	50-200			

#### Matrix Spike (2035060-MS1)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	427	25.0	500	ND	85.5	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

#### Matrix Spike Dup (2035060-MSD1)

Source: P008112-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	455	25.0	500	ND	91.0	38-132	6.28	20	
Surrogate: n-Nonane	52.3		50.0		105	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:31

### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2036003-BLK1)

Prepared: 08/31/20 0 Analyzed: 09/01/20 0

Chloride	ND	20.0
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#### LCS (2036003-BS1)

Prepared: 08/31/20 0 Analyzed: 09/01/20 0

Chloride	248	20.0	250	99.0	90-110
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#### Matrix Spike (2036003-MS1)

Source: P008112-01

Prepared: 08/31/20 0 Analyzed: 09/01/20 0

Chloride	312	20.0	250	60.1	101	80-120
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#### Matrix Spike Dup (2036003-MSD1)

Source: P008112-01

Prepared: 08/31/20 0 Analyzed: 09/01/20 0

Chloride	303	20.0	250	60.1	97.2	80-120	2.75	20
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:31

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

Page 9 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program				
Project: 58481 WQU						Lab WO# P008112		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA
Project Manager: Ashley Maxwell						Analysis and Method												
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC - NM	BDOC - TX			
City, State, Zip						State												
Phone:				NM CO UT AZ														
Email: Ashley & Lynn				TX OK														
Report due by:				Remarks														
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number													
	8.28.20	S	1	CS81	1								X					
	8.28.20	S	1	CS82	2								X					
	8.28.20	S	1	CS83	3								X					
	8.28.20	S	1	CS84	4								X					
	8.28.20	S	1	CS85	5								X					
	8.28.20	S	1	CS86	6								X					
	8.28.20	S	1	CS87	7								X					
	8.28.20	S	1	CS88	8								X					
	8.28.20	S	1	CS89	9								X					
	8.28.20	S	1	CS90	10								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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Project Information

## Chain of Custody

Page 10 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008112		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method												State			
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC - NM	BDOC - TX			NM	CO	UT	AZ
City, State, Zip																					
Phone:																					
Email: Ashley & Lynn																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																
	8.28.20	S	1	CS91	11																
	8.28.20	S	1	CS92	12																
	8.28.20	S	1	CS93	13																
	8.28.20	S	1	CS94	14																
	8.28.20	S	1	CS95	15																
	8.28.20	S	1	CS96	16																
	8.28.20	S	1	CS97	17																
	8.28.20	S	1	CS98	18																
	8.28.20	S	1	CS99	19																
	8.28.20	S	1	CS100	20																
<b>Additional Instructions:</b> 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:																					
Relinquished by: (Signature) _____ Date 8.28.2020 Time 1600										Received by: (Signature) _____ Date 8.28 Time 1600											
Relinquished by: (Signature) _____ Date 8.28 Time 1900										Received by: (Signature) _____ Date 8/28/20 Time 19:12											
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008113

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is placed over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS101	P008113-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS102	P008113-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS103	P008113-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS104	P008113-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS105	P008113-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS106	P008113-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS107	P008113-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS108	P008113-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS109	P008113-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS110	P008113-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS111	P008113-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS112	P008113-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS113	P008113-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS114	P008113-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS115	P008113-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS116	P008113-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS117	P008113-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS118	P008113-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS119	P008113-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS120	P008113-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS101**  
**P008113-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	55.7	20.0	1	08/31/20	09/01/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

**CS102**  
**P008113-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036004
Chloride	51.7	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS103**  
**P008113-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	64.8	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS104**  
**P008113-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	45.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS105**  
**P008113-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.8 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/30/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/30/20	
<i>Surrogate: n-Nonane</i>	108 %	50-200		08/29/20	08/30/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	48.5	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS106**  
**P008113-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.4 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	43.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS107**  
**P008113-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	38.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS108**  
**P008113-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	44.8	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS109**  
**P008113-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
Surrogate: n-Nonane	106 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	38.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS110**  
**P008113-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	48.8	20.0	1	08/31/20	09/01/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

**CS111**  
**P008113-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
Surrogate: 4-Bromochlorobenzene-PID	99.0 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
Surrogate: n-Nonane	103 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036004
Chloride	53.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS112**  
**P008113-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.2 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	44.5	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS113**  
**P008113-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.7 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	110 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	103	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS114**  
**P008113-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	107	20.0	1	08/31/20	09/01/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

**CS115**  
**P008113-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
Surrogate: 4-Bromochlorobenzene-PID	97.9 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
Surrogate: n-Nonane	104 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036004
Chloride	124	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS116**  
**P008113-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.8 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	103 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	68.9	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS117**  
**P008113-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.6 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	96.9 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	76.6	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS118**  
**P008113-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	81.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS119**  
**P008113-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	105	20.0	1	08/31/20	09/02/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS120**  
**P008113-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035055
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035055
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036004
Chloride	107	20.0	1	08/31/20	09/02/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035055-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	50-150			

#### LCS (2035055-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	4.88	0.0250	5.00		97.5	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.83	0.0500	10.0		98.3	70-130			
o-Xylene	4.93	0.0250	5.00		98.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	50-150			

#### Matrix Spike (2035055-MS1)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	4.89	0.0250	5.00	ND	97.7	54-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133			
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131			
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	50-150			

#### Matrix Spike Dup (2035055-MSD1)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	4.77	0.0250	5.00	ND	95.5	54-133	2.35	20	
Toluene	4.91	0.0250	5.00	ND	98.1	61-130	2.25	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.5	61-133	1.99	20	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	2.07	20	
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131	2.17	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.4	63-131	2.10	20	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035055-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	50-150			

#### LCS (2035055-BS2)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	50-150			

#### Matrix Spike (2035055-MS2)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			

#### Matrix Spike Dup (2035055-MSD2)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130	6.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

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

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

#### Blank (2035061-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	50-200			

#### LCS (2035061-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	476	25.0	500		95.1	38-132			
Surrogate: <i>n</i> -Nonane	53.5		50.0		107	50-200			

#### Matrix Spike (2035061-MS1)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	468	25.0	500	ND	93.5	38-132			
Surrogate: <i>n</i> -Nonane	55.8		50.0		112	50-200			

#### Matrix Spike Dup (2035061-MSD1)

Source: P008113-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Diesel Range Organics (C10-C28)	471	25.0	500	ND	94.1	38-132	0.661	20	
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

#### Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
<b>Blank (2036004-BLK1)</b>									
Chloride	ND	20.0							Prepared: 08/31/20 0 Analyzed: 09/01/20 1
<b>LCS (2036004-BS1)</b>									
Chloride	250	20.0	250		100	90-110			Prepared: 08/31/20 0 Analyzed: 09/01/20 1
<b>Matrix Spike (2036004-MS1)</b>									
Chloride	310	20.0	250	55.7	102	80-120			Source: P008113-01 Prepared: 08/31/20 0 Analyzed: 09/01/20 1
<b>Matrix Spike Dup (2036004-MSD1)</b>									
Chloride	299	20.0	250	55.7	97.2	80-120	3.86	20	Source: P008113-01 Prepared: 08/31/20 0 Analyzed: 09/01/20 1

#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

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Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008113		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method												State			
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX						
City, State, Zip																					
Phone:																					
Email: Ashley & Lynn																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number												Remarks				
	8.28.20	S	1	CS101	1									X							
	8.28.20	S	1	CS102	2									X							
	8.28.20	S	1	CS103	3									X							
	8.28.20	S	1	CS104	4									X							
	8.28.20	S	1	CS105	5									X							
	8.28.20	S	1	CS106	6									X							
	8.28.20	S	1	CS107	7									X							
	8.28.20	S	1	CS108	8									X							
	8.28.20	S	1	CS109	9									X							
	8.28.20	S	1	CS110	10									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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

## Project Information

## Chain of Custody

Page 12 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008113		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX												State			
Address:																		NM	CO	UT	AZ
City, State, Zip																		X			
Phone:																TX	OK				
Email: Ashley & Lynn																Remarks					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																
	8.28.20	S	1	CS111	11										X						
	8.28.20	S	1	CS112	12										X						
	8.28.20	S	1	CS113	13										X						
	8.28.20	S	1	CS114	14										X						
	8.28.20	S	1	CS115	15										X						
	8.28.20	S	1	CS116	16										X						
	8.28.20	S	1	CS117	17										X						
	8.28.20	S	1	CS118	18										X						
	8.28.20	S	1	CS119	19										X						
	8.28.20	S	1	CS120	20										X						
<b>Additional Instructions:</b> 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	Lab Use Only													
		8.28.2020	1600			8.28	1600	Received on ice: Y N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
		8.28	1700			8/28/20	19:12														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																					





## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008114

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is placed over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS121	P008114-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS122	P008114-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS123	P008114-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS124	P008114-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS125	P008114-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS126	P008114-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS127	P008114-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS128	P008114-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS129	P008114-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS130	P008114-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS131	P008114-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS132	P008114-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS133	P008114-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS134	P008114-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS135	P008114-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS136	P008114-16A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS137	P008114-17A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS138	P008114-18A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS139	P008114-19A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS140	P008114-20A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS121**  
**P008114-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	55.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS122**  
**P008114-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	26.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS123**  
**P008114-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	49.2	20.0	1	08/31/20	09/01/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

**CS124**  
**P008114-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036006
Chloride	37.9	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS125**  
**P008114-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	38.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS126**  
**P008114-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	28.8	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS127**  
**P008114-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.2 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	44.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS128**  
**P008114-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	40.1	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS129**  
**P008114-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.4 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	102 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	33.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS130**  
**P008114-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.9 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		115 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	34.7	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS131**  
**P008114-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.3 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	32.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS132**  
**P008114-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	35.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS133**  
**P008114-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	52.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS134**  
**P008114-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	42.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS135**  
**P008114-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.2 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	119 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	49.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:33
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS136**  
**P008114-16 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		118 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	77.2	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS137**  
**P008114-17 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	184	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS138**  
**P008114-18 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	77.3	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS139**  
**P008114-19 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.1 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	109 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	64.4	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

**CS140**  
**P008114-20 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035056
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		115 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036006
Chloride	65.0	20.0	1	08/31/20	09/01/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035056-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	50-150			

#### LCS (2035056-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	50-150			

#### Matrix Spike (2035056-MS1)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	5.25	0.0250	5.00	ND	105	54-133			
Toluene	5.27	0.0250	5.00	ND	105	61-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
o-Xylene	5.30	0.0250	5.00	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		105	50-150			

#### Matrix Spike Dup (2035056-MSD1)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Benzene	5.09	0.0250	5.00	ND	102	54-133	3.21	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.67	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	3.34	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.27	20	
o-Xylene	5.12	0.0250	5.00	ND	102	63-131	3.52	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	3.35	20	
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035056-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	50-150			

#### LCS (2035056-BS2)

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.4	50-150			

#### Matrix Spike (2035056-MS2)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.6	50-150			

#### Matrix Spike Dup (2035056-MSD2)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 0

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.1	70-130	2.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

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

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

#### Blank (2035062-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 0

Diesel Range Organics (C10-C28)  
Oil Range Organics (C28-C40)

ND  
ND

25.0  
50.0

Surrogate: n-Nonane

54.2

50.0

108

50-200

#### LCS (2035062-BS1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 0

Diesel Range Organics (C10-C28)

495

25.0

500

98.9

38-132

Surrogate: n-Nonane

54.8

50.0

110

50-200

#### Matrix Spike (2035062-MS1)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 08/31/20 0

Diesel Range Organics (C10-C28)

478

25.0

500

ND

95.5

38-132

Surrogate: n-Nonane

53.2

50.0

106

50-200

#### Matrix Spike Dup (2035062-MSD1)

Source: P008114-01

Prepared: 08/29/20 1 Analyzed: 08/31/20 0

Diesel Range Organics (C10-C28)

498

25.0

500

ND

99.6

38-132

4.16

20

Surrogate: n-Nonane

55.7

50.0

111

50-200

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:33

#### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2036006-BLK1)

Prepared: 08/31/20 1 Analyzed: 09/01/20 0

Chloride	ND	20.0
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#### LCS (2036006-BS1)

Prepared: 08/31/20 1 Analyzed: 09/01/20 0

Chloride	251	20.0	250	100	90-110
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#### Matrix Spike (2036006-MS1)

Source: P008114-01 Prepared: 08/31/20 1 Analyzed: 09/01/20 0

Chloride	311	20.0	250	55.0	102	80-120
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#### Matrix Spike Dup (2036006-MSD1)

Source: P008114-01 Prepared: 08/31/20 1 Analyzed: 09/01/20 0

Chloride	312	20.0	250	55.0	103	80-120	0.276	20
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:33

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

Page 13 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program							
Project: 58481 WQU						Lab WO# P008114		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell						Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX												State			
Address:																		NM	CO	UT	AZ
City, State, Zip																		TX	OK		
Phone:																					
Email: Ashley & Lynn																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number												Remarks				
	8.28.20	S	1	CS121	1										X						
	8.28.20	S	1	CS122	2										X						
	8.28.20	S	1	CS123	3										X						
	8.28.20	S	1	CS124	4										X						
	8.28.20	S	1	CS125	5										X						
	8.28.20	S	1	CS126	6										X						
	8.28.20	S	1	CS127	7										X						
	8.28.20	S	1	CS128	8										X						
	8.28.20	S	1	CS129	9										X						
	8.28.20	S	1	CS130	10										X						
<b>Additional Instructions:</b>																					
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	Lab Use Only													
		8.28.2020	1600			8.28	1600	Received on ice: Y N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
		8.28	1900			8.28.20	19:12														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																					



## Project Information

## Chain of Custody

Page 14 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program				
Project: 58481 WQU						Lab WO# P008114		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA
Project Manager: Ashley Maxwell						Analysis and Method												
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			
City, State, Zip																		
Phone:				State														
Email: Ashley & Lynn				NM CO UT AZ X TX OK														
Report due by:				Remarks														
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number													
	8.28.20	S	1	CS131	11									X				
	8.28.20	S	1	CS132	12									X				
	8.28.20	S	1	CS133	13									X				
	8.28.20	S	1	CS134	14									X				
	8.28.20	S	1	CS135	15									X				
	8.28.20	S	1	CS136	16									X				
	8.28.20	S	1	CS137	17									X				
	8.28.20	S	1	CS138	18									X				
	8.28.20	S	1	CS139	19									X				
	8.28.20	S	1	CS140	20									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 8.28.2020	Time 1600	Received by: (Signature)	Date 8.28	Time 1600	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Date 8/28/20	Time 19:12	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



## Analytical Report

### Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/28/2020

Job Number: 97057-0001

Work Order: P008115

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 9/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.







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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:34

### Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS141	P008115-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS142	P008115-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS143	P008115-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS144	P008115-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS145	P008115-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS146	P008115-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS147	P008115-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS148	P008115-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS149	P008115-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS150	P008115-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS151	P008115-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS152	P008115-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS153	P008115-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS154	P008115-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
CS155	P008115-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

**CS141**  
**P008115-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.8 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		156 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	81.6	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS142**  
**P008115-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.6 %	50-150		08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	26.0	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS143**  
**P008115-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	37.6	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	47.3	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS144**  
**P008115-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	50.7	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	60.5	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	46.3	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS145**  
**P008115-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		118 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	124	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS146**  
**P008115-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/01/20	
Toluene	ND	0.0250	1	08/29/20	09/01/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/01/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/01/20	
o-Xylene	ND	0.0250	1	08/29/20	09/01/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	50-150	08/29/20	09/01/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	115	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

**CS147**  
**P008115-07 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		89.6 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	47.6	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS148**  
**P008115-08 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		139 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	42.0	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS149**  
**P008115-09 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	121	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	81.5	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		150 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	72.4	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS150**  
**P008115-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	46.4	20.0	1	08/31/20	08/31/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:34

**CS151**  
**P008115-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
Surrogate: n-Nonane		101 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036007
Chloride	52.8	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS152**  
**P008115-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.0 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	26.5	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	38.3	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 09/03/20 12:34
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

**CS153**  
**P008115-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	42.7	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

**CS154**  
**P008115-14 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	50-150	08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		98.4 %	50-200	08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg				Batch: 2036007
Chloride	140	20.0	1	08/31/20	08/31/20	

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:34

**CS155**  
**P008115-15 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg				Batch: 2035057
Benzene	ND	0.0250	1	08/29/20	09/02/20	
Toluene	ND	0.0250	1	08/29/20	09/02/20	
Ethylbenzene	ND	0.0250	1	08/29/20	09/02/20	
p,m-Xylene	ND	0.0500	1	08/29/20	09/02/20	
o-Xylene	ND	0.0250	1	08/29/20	09/02/20	
Total Xylenes	ND	0.0250	1	08/29/20	09/02/20	
Surrogate: 4-Bromochlorobenzene-PID	98.9 %	50-150		08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg				Batch: 2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.8 %	50-150		08/29/20	09/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg				Batch: 2035063
Diesel Range Organics (C10-C28)	49.8	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
Surrogate: n-Nonane	105 %	50-200		08/29/20	08/31/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg				Batch: 2036007
Chloride	87.2	20.0	1	08/31/20	08/31/20	

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

### Volatile Organics by EPA 8021B - Quality Control

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

#### Blank (2035057-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	50-150			

#### LCS (2035057-BS1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Benzene	5.20	0.0250	5.00		104	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.27	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
Total Xylenes	16.0	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	50-150			

#### Matrix Spike (2035057-MS1)

Source: P008115-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Benzene	4.74	0.0250	5.00	ND	94.8	54-133			
Toluene	4.81	0.0250	5.00	ND	96.2	61-130			
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	61-133			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	63-131			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	50-150			

#### Matrix Spike Dup (2035057-MSD1)

Source: P008115-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Benzene	4.94	0.0250	5.00	ND	98.8	54-133	4.15	20	
Toluene	4.98	0.0250	5.00	ND	99.7	61-130	3.52	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.5	61-133	3.47	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	4.05	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	2.97	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	3.69	20	
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	50-150			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

### Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

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

#### Blank (2035057-BLK1)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.3	50-150			

#### LCS (2035057-BS2)

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	50-150			

#### Matrix Spike (2035057-MS2)

Source: P008115-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	50-150			

#### Matrix Spike Dup (2035057-MSD2)

Source: P008115-01

Prepared: 08/29/20 1 Analyzed: 09/01/20 1

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130	7.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	50-150			

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:34

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

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

#### Blank (2035063-BLK1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.5		50.0		109	50-200			

#### LCS (2035063-BS1)

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Diesel Range Organics (C10-C28)	530	25.0	500		106	38-132			
Surrogate: <i>n</i> -Nonane	58.4		50.0		117	50-200			

#### Matrix Spike (2035063-MS1)

Source: P008117-01

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Diesel Range Organics (C10-C28)	678	25.0	500	ND	136	38-132			M2
Surrogate: <i>n</i> -Nonane	72.5		50.0		145	50-200			

#### Matrix Spike Dup (2035063-MSD1)

Source: P008117-01

Prepared: 08/29/20 1 Analyzed: 08/31/20 1

Diesel Range Organics (C10-C28)	526	25.0	500	ND	105	38-132	25.3	20	R2
Surrogate: <i>n</i> -Nonane	57.9		50.0		116	50-200			

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Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	97057-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/03/20 12:34

#### Anions by EPA 300.0/9056A - Quality Control

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

#### Blank (2036007-BLK1)

Prepared &amp; Analyzed: 08/31/20 1

Chloride	ND	20.0							
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#### LCS (2036007-BS1)

Prepared &amp; Analyzed: 08/31/20 1

Chloride	250	20.0	250		99.8	90-110			
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#### Matrix Spike (2036007-MS1)

Source: P008115-01

Prepared &amp; Analyzed: 08/31/20 1

Chloride	345	20.0	250	81.6	105	80-120			
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#### Matrix Spike Dup (2036007-MSD1)

Source: P008115-01

Prepared &amp; Analyzed: 08/31/20 1

Chloride	341	20.0	250	81.6	104	80-120	1.22	20	
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#### QC Summary Report Comment:

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

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

Project Name: 58481 WQU  
Project Number: 97057-0001  
Project Manager: Ashley Maxwell

**Reported:**  
09/03/20 12:34

### Notes and Definitions

- R2 The RPD exceeded the acceptance limit.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- \*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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## Project Information

## Chain of Custody

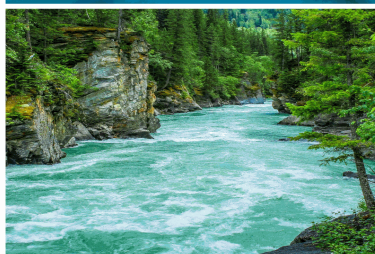
Page 15 of 16

Client: SMA				<b>Bill To</b> Attention: Enterprise Address: City, State, Zip Phone: Email:		Lab Use Only						TAT		EPA Program				
Project: 58481 WQU						Lab WO# P008115		Job Number 97057-0001						1D	3D	RCRA	CWA	SDWA
Project Manager: Ashley Maxwell						Analysis and Method												
Address:						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	State				
City, State, Zip														NM	CO	UT	AZ	
Phone:																		
Email: Ashley & Lynn																		
Report due by:																		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number												Remarks	
	8.28.20	S	1	CS141	1									X				
	8.28.20	S	1	CS142	2									X				
	8.28.20	S	1	CS143	3									X				
	8.28.20	S	1	CS144	4									X				
	8.28.20	S	1	CS145	5									X				
	8.28.20	S	1	CS146	6									X				
	8.28.20	S	1	CS147	7									X				
	8.28.20	S	1	CS148	8									X				
	8.28.20	S	1	CS149	9									X				
	8.28.20	S	1	CS150	10									X				
<b>Additional Instructions:</b>																		
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	Lab Use Only										
		8.28.2020	1600			8.28	1600	Received on ice: Y/ N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
		8.28	1900			8/28/20	19:12											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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-inc.com  
labadmin@envirotech-inc.com

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: 58481 WQU

Work Order: E101020

Job Number: 19026-0001

Received: 1/19/2021

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/22/21

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 NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.



Date Reported: 1/22/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: 58481 WQU  
Workorder: E101020  
Date Received: 1/19/2021 2:30:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/19/2021 2:30:00PM, under the Project Name: 58481 WQU.

The analytical test results summarized in this report with the Project Name: 58481 WQU apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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Office: 505-632-1881  
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**Alexa Michaels**  
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Office: 505-632-1881  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b> 01/22/21 09:51
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
RCS#3	E101020-01A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#4	E101020-02A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#9	E101020-03A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#10	E101020-04A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#14	E101020-05A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#16	E101020-06A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#22	E101020-07A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#144	E101020-08A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.
RCS#149	E101020-09A	Soil	01/15/21	01/19/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 1/22/2021 9:51:48AM
--	--	---

## RCS#3

## E101020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2104002	
Benzene	ND	0.0250	1	01/19/21	01/20/21	
Toluene	ND	0.0250	1	01/19/21	01/20/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/20/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/20/21	
o-Xylene	ND	0.0250	1	01/19/21	01/20/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/20/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.1 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2104002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/20/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.8 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2104008	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>	106 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2104010	
Chloride	47.6	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

## RCS#4

## E101020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2104002	
Benzene	ND	0.0250	1	01/19/21	01/20/21	
Toluene	ND	0.0250	1	01/19/21	01/20/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/20/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/20/21	
o-Xylene	ND	0.0250	1	01/19/21	01/20/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/20/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2104002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/20/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2104008	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2104010	
Chloride	163	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

## RCS#9

## E101020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/20/21	
Toluene	ND	0.0250	1	01/19/21	01/20/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/20/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/20/21	
o-Xylene	ND	0.0250	1	01/19/21	01/20/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/20/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/20/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		01/19/21	01/20/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	67.6	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

## RCS#10

## E101020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	59.5	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

## RCS#14

## E101020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	ND	20.0	1	01/20/21	01/20/21	





## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

RCS#16

E101020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	ND	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

RCS#22

E101020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	57.9	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

RCS#144

E101020-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	158	20.0	1	01/20/21	01/20/21	



## Sample Data

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

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
1/22/2021 9:51:48AM

RCS#149

E101020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Benzene	ND	0.0250	1	01/19/21	01/21/21	
Toluene	ND	0.0250	1	01/19/21	01/21/21	
Ethylbenzene	ND	0.0250	1	01/19/21	01/21/21	
p,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
o-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		01/19/21	01/21/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2104008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/19/21	01/21/21	
Oil Range Organics (C28-C35)	ND	50.0	1	01/19/21	01/21/21	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/19/21	01/21/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2104010
Chloride	83.7	20.0	1	01/20/21	01/20/21	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2104002-BLK1)

Prepared: 01/19/21 Analyzed: 01/20/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

## LCS (2104002-BS1)

Prepared: 01/19/21 Analyzed: 01/20/21

Benzene	4.73	0.0250	5.00		94.6	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

## Matrix Spike (2104002-MS1)

Source: E101017-01 Prepared: 01/19/21 Analyzed: 01/20/21

Benzene	4.86	0.0250	5.00	ND	97.3	54-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
o-Xylene	5.26	0.0250	5.00	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

## Matrix Spike Dup (2104002-MSD1)

Source: E101017-01 Prepared: 01/19/21 Analyzed: 01/20/21

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	1.33	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	0.360	20	
Ethylbenzene	5.21	0.0250	5.00	ND	104	61-133	0.133	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	0.169	20	
o-Xylene	5.28	0.0250	5.00	ND	106	63-131	0.249	20	
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131	0.196	20	
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2104002-BLK1)

Prepared: 01/19/21 Analyzed: 01/20/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

## LCS (2104002-BS2)

Prepared: 01/19/21 Analyzed: 01/20/21

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

## Matrix Spike (2104002-MS2)

Source: E101017-01 Prepared: 01/19/21 Analyzed: 01/20/21

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

## Matrix Spike Dup (2104002-MSD2)

Source: E101017-01 Prepared: 01/19/21 Analyzed: 01/20/21

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.3	70-130	10.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2104008-BLK1)

Prepared: 01/19/21 Analyzed: 01/21/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			

## LCS (2104008-BS1)

Prepared: 01/19/21 Analyzed: 01/21/21

Diesel Range Organics (C10-C28)	434	25.0	500		86.7	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

## Matrix Spike (2104008-MS1)

Source: E101017-04 Prepared: 01/19/21 Analyzed: 01/21/21

Diesel Range Organics (C10-C28)	429	25.0	500	ND	85.8	38-132			
Surrogate: n-Nonane	44.8		50.0		89.7	50-200			

## Matrix Spike Dup (2104008-MSD1)

Source: E101017-04 Prepared: 01/19/21 Analyzed: 01/21/21

Diesel Range Organics (C10-C28)	470	25.0	500	ND	94.0	38-132	9.15	20	
Surrogate: n-Nonane	51.1		50.0		102	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	<b>Reported:</b>
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2104010-BLK1)

Prepared: 01/20/21 Analyzed: 01/20/21

Chloride ND 20.0

## LCS (2104010-BS1)

Prepared: 01/20/21 Analyzed: 01/20/21

Chloride 252 20.0 250 101 90-110

## Matrix Spike (2104010-MS1)

Source: E101015-01 Prepared: 01/20/21 Analyzed: 01/20/21

Chloride 256 20.0 250 ND 102 80-120

## Matrix Spike Dup (2104010-MSD1)

Source: E101015-01 Prepared: 01/20/21 Analyzed: 01/20/21

Chloride 256 20.0 250 ND 102 80-120 0.129 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:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	01/22/21 09:51

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

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

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



## Project Information

## Chain of Custody

Page 1 of 1

Client: <u>SMA</u>				Bill To				Lab Use Only				TAT		EPA Program				
Project: <u>58481 WQU</u>				Attention: <u>Enterprise</u>				Lab WO# <u>PE101020</u>				Job Number <u>190216-0001</u>		1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>				Address:				<u>PE101020</u>				<u>190216-0001</u>						
Address:				City, State, Zip				<u>PE101020</u>				Analysis and Method		State				
City, State, Zip				Phone:										NM CO UT AZ				
Phone:				Email:										TX OK				
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
12:10	1/15/21	S	1	RCS # 3	1							X		
12:15			1	RCS # 4	2							X		
12:20			1	RCS # 9	3							X		
12:25			1	RCS # 10	4							X		
12:30			1	RCS # 14	5							X		
12:35			1	RCS # 16	6							X		
12:40			1	RCS # 22	7							X		
12:45			1	RCS # 144	8							X		
12:50			1	RCS # 149	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	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Nita Liu</u>	<u>1/16/21</u>	<u>9:15</u>	<u>[Signature]</u>	<u>1/18/21</u>	<u>9:15</u>	
<u>[Signature]</u>	<u>1/18/21</u>	<u>1545</u>	<u>[Signature]</u>	<u>1/19/21</u>	<u>14:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

## Envirotech Analytical Laboratory

Printed: 1/19/2021 3:27:55PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	01/19/21 14:30	Work Order ID:	E101020
Phone:	(505) 325-7535	Date Logged In:	01/18/21 15:55	Logged In By:	Raina Schwanz
Email:	ashley.maxwell@soudermiller.com	Due Date:	01/22/21 17:00 (3 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: Fed Ex**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 20979

CONDITIONS OF APPROVAL

Operator:	ENTERPRISE FIELD SERVICES, LLC	PO Box 4324	Houston, TX77210	OGRID:	241602	Action Number:	20979	Action Type:	C-141
OCD Reviewer	Condition								
chensley	None								