Received by OCD: 3/16/2021 3:11:10 PM 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 T	ontact Telephone 432-686-5404				
Contact ema	il	mmlerma@epro	od.com	Incident #	(assigned by	OCD) NRM2006951654		
Contact mail	ing address	PO Box 4324, H	Iouston, TX 77210					
			Location of	of Release S	ource			
Latitude N	32.379200			Longitude	W-104.	308361		
			(NAD 83 in decir	mal degrees to 5 decir				
Site Name	58481	WQU Pipeline		Site Type	Gati	hering Pipeline		
Date Release	Discovered	February 27, 202	0	API# (if app				
				(3.41				
Unit Letter	Section	Township	Range	Cour	nty			
Н	20	22S	26E	Edd	iy			
Surface Owner	:: State	Federal Tr	ibal 🛛 Private (Na	ame: <u>Patricia Rayı</u>	roux			
			Nature and	Volume of I	Palagga			
			Mature and	v Olume of 1	Xelease			
	Material	(s) Released (Select all	that apply and attach ca	alculations or specific	justification f	or the volumes provided below)		
Crude Oil		Volume Release	d (bbls)		Volume I	Recovered (bbls)		
Produced	Water	Volume Released	d (bbls)		Volume Recovered (bbls)			
Is the concentration of dissolved chloride			oride in the	Yes [	No			
produced water >10,000 mg/l?								
Condensate Volume Released (bbls)				Volume F	Recovered (bbls)			
Natural Gas Volume Released (Mcf) 374.6				Volume F	Recovered (Mcf) - 0			
Other (des	scribe)	Volume/Weight	Released (provide u	inits)	Volume/V	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.

Received by OCD: 3/16/20	21 3:11:10 PM State of New Mexico
Page 2	Oil Conservation Division

Incident ID	NRM2006951654
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
	Closure
or directives of the OCD. This including a scaled site map, so chain of custody documents of	ttach information demonstrating they have complied with all applicable closure requirements and any conditions s demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) ampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.
Closure Report Attachme	nt Checklist: Each of the following items must be included in the closure report
A scaled site and sampl	ing diagram as described in 19.15.29.11 NMAC
Photographs of the rem must be notified 2 days prior	ediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office r to liner inspection)
☐ Laboratory analyses of	final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
□ Description of remediat	on activities
and regulations all operators a may endanger public health o should their operations have if human health or the environm compliance with any other fee restore, reclaim, and re-vegeta	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules are required to report and/or file certain release notifications and perform corrective actions for releases which is the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, sent. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for deral, state, or local laws and/or regulations. The responsible party acknowledges they must substantially attended to the impacted surface area to the conditions that existed prior to the release or their final land use in NMAC including notification to the OCD when reclamation and re-vegetation are complete.
Printed Name: Jon E	Fields Title: Director, Field Environmental
Signature:	W. Fuel Date: 3/16/702/
email: jefields@epro	d.com Telephone:713-381-6684

Referred by GeD: 3/16/2021 3:11:10 PM State of New Mexico
Page 3 Oil Conservation Division

Incident ID NRM2006951854

District RP
Facility ID
Application ID

OCD Only	
Received by: Chad Hensley	Date: 04/02/2021
Closure approval by the OCD does not relieve the responsible party of liabi remediate contamination that poses a threat to groundwater, surface water, h party of compliance with any other federal, state, or local laws and/or regul	ruman health, or the environment nor does not relieve the responsible
Closure Approved by:  Printed Name: Chad Hensley	Date:04/02/2021  Title:Environmental Specialist Advanced

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



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,

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

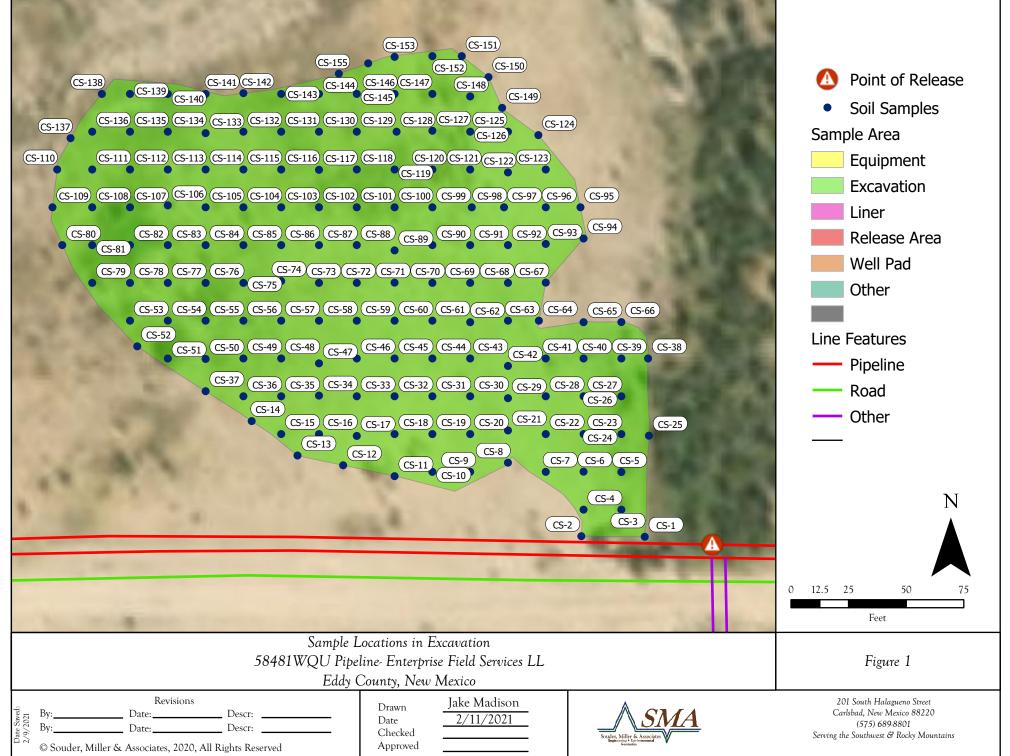
Appendix B: Envirotech Laboratory Reports

SMA #5E8981-BG3

# APPENDIX B ENVIROTECH LABORATORY REPORTS

SMA #5E8981-BG3

# **FIGURE**



SMA #5E8981-BG3

# **TABLE 1**

Enterprise Field Services LLC 58481WQU Pipeline

		Depth of	Method 8021B Method 8015D						Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		, ,,	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD F	Reclamation Re	equirement (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
CC2 DCC2	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	165	134	299	159
CS3 RCS3	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	47.6
CC 4 D CC 4	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	126	124	250	235
CS4 RCS4	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	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	233	226	459	156
RCS9	1/15/2021	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.6
CS10	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	87.7	96.9	184.6	245
RCS10	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	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	105	79.6	184.6	152
RCS14	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
CS15	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	61.5	53	114.5	243
RSC16	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
CS17	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	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	86.2	69.1	155.3	188
RSC22	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 <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

Enterprise Field Services LLC 58481WQU Pipeline

		Depth of	Method 8021B Method 8015D						Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		, ,,	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD R	Reclamation Re	equirement (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

Enterprise Field Services LLC 58481WQU Pipeline

		Depth of	Method 8021B Method 8015D						Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		, ,,	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD F	Reclamation Re	equirement (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
CS100	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55.7
CS101	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.7
CS102	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.8
CS103	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	45
CS104	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.5
CS105	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	43.2
CS100	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.1
CS107	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.8
CS108	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.2
CS109	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.8
CS110	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0		53.2
CS111	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	44.5
CS112		0 - 0.5		1					
CS113 CS114	8/28/2020 8/28/2020	0 - 0.5	<0.100 <0.100	<0.0250 <0.0250	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<95.0 <95.0	103 107
CS114 CS115	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	124
CS113	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	68.9
CS116 CS117	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	76.6
CS117 CS118	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0		81.2
CS118 CS119	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	105
CS119 CS120	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	105
CS120 CS121		0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	55
CS121 CS122	8/28/2020	0 - 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0 <95.0	26.1
CS122 CS123	8/28/2020	0 - 0.5			<20.0	<25.0	<50.0		
	8/28/2020		<0.100	<0.0250				<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

Enterprise Field Services LLC 58481WQU Pipeline

									Method
		Depth of	Metho	d 8021B		Met	hod 8015D		300.0
Sample ID	Sample Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD F	Reclamation Re	equirement (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

SMA #5E8981-BG3

APPENDIX A PHOTO LOG













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:	Walter Windson	Date:	9/3/20	
	Walter Hinchman, Laboratory Director	<del>_</del>		



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 - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

nager: Ashley Maxwell 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.



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

	P	008108-01 (8011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.1 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.1 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	314	20.0	1	08/29/20	08/29/20		



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

	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035043
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0500	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
	97.6 %	50-150	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035043
ND	20.0	1	08/29/20	08/29/20		
	89.5 %	50-150	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035040
33.9	25.0	1	08/29/20	08/29/20		
ND	50.0	1	08/29/20	08/29/20		
	104 %	50-200	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035050
	mg/kg  ND SSSSSSSS	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           89.5 %         mg/kg           mg/kg         mg/kg           33.9         25.0           ND         50.0	mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           97.6%         50-150           mg/kg         mg/kg           ND         20.0         1           89.5%         50-150           mg/kg         mg/kg           33.9         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         MD           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0500         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         08/29/20         08/29/20           mg/kg         08/29/20         08/29/20           mg/kg         08/29/20         08/29/20	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         separed         Analyzed           ND         0.0250         1         08/29/20         08/29/20           mg/kg         mg/kg         08/29/20         08/29/20         08/29/20	Result         Limit         Dilution         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20           ND         0.0500         1         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20           MD         0.0250         1         08/29/20         08/29/20           MD         0.0250         1         08/29/20         08/29/20           mg/kg         mg/kg         Batch:         Batch:           ND         20.0         1         08/29/20         08/29/20           89.5 %         50-150         08/29/20         08/29/20           mg/kg         mg/kg         Batch:           33.9         25.0         1         08/29/20         08/29/20           ND         50.0         1         08/29/20         08/29/20



CS 3 P008108-03 (Solid)

		100) 30 001000	<del>"</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.6 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.3 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	159	20.0	1	08/29/20	08/29/20		





# CS 4 P008108-04 (Solid)

		000100-04 (301	u <i>)</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.4 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		88.1 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	235	20.0	1	08/29/20	08/29/20	·	·





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

Project Manager: Ashley Maxwell 09/03/20 12:24

# CS 5 P008108-05 (Solid)

		(					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.2 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.4 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	65.6	20.0	1	08/29/20	08/29/20		



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

		1106) 00-001600	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		98.6 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.2 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	105	20.0	1	08/29/20	08/29/20	·	·





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

Ashley Maxwell 09/03/20 12:24

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

		000100-07 (3011	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
·	mg/kg	mg/kg	<u> </u>	Tropulou	1 11141 ) 200	Batch:	2035043
Volatile Organics by EPA 8021B						Batch.	2033043
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		98.7 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.5 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	270	20.0	1	08/29/20	08/29/20	·	·



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

	P	008108-08 (8011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		97.2 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.7 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	193	20.0	1	08/29/20	08/29/20		



# CS 9 P008108-09 (Solid)

		1106) 60-001000	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		97.4 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.7 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	156	20.0	1	08/29/20	08/29/20	·	·





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

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# CS 10 P008108-10 (Solid)

	100) 01 001000	/				
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035043
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0500	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
ND	0.0250	1	08/29/20	08/29/20		
	97.5 %	50-150	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035043
ND	20.0	1	08/29/20	08/29/20		
	88.9 %	50-150	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035040
87.7	25.0	1	08/29/20	08/29/20		
96.9	50.0	1	08/29/20	08/29/20		
	107 %	50-200	08/29/20	08/29/20		
mg/kg	mg/kg				Batch:	2035050
245	20.0	1	08/29/20	08/29/20		
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           mg/kg         mg/kg           MD         20.0           88.9 %         mg/kg           mg/kg         mg/kg           87.7         25.0           96.9         50.0           107 %         mg/kg           mg/kg         mg/kg	Result         Reporting           Mean         Limit         Dilution           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         50-150           mg/kg         mg/kg           ND         20.0         1           88.9 %         50-150           mg/kg         mg/kg           87.7         25.0         1           96.9         50.0         1           107 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         mg/kg           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0500         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         mg/kg         ND         0.0250         1         08/29/20         08/29	Reporting         Prepared         Analyzed         Notes           mg/kg         mg/kg         Dilution         Prepared         Analyzed         Notes           ND         0.0250         1         08/29/20         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20         08/29/20           ND         0.0500         1         08/29/20         08/29/20         08/29/20           ND         0.0250         1         08/29/20         08/29/20         08/29/20           mg/kg         mg/kg         50-150         08/29/20         08/29/20         08/29/20           mg/kg         mg/kg         08/29/20         08/29/20         08/29/20           mg/kg         mg/kg         08/29/20         08/29/20         08/29/20           mg/kg         mg/kg         08/29/20         08/29/20         08/29/20



# CS 11 P008108-11 (Solid)

		1100 11 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.0 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.2 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	62.3	20.0	1	08/29/20	08/29/20		



# CS 12 P008108-12 (Solid)

		000100 12 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.3 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.8 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	157	20.0	1	08/29/20	08/29/20		



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Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

CS 13 P008108-13 (Solid)

		000100 10 (8011	<del>)</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		98.3 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.9 %	50-150	08/29/20	08/29/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	11	08/29/20	08/29/20		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	290	20.0	1	08/29/20	08/29/20		





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

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# CS 14 P008108-14 (Solid)

		100) FI 001000	)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	152	20.0	1	08/29/20	08/29/20		





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwe

Project Manager: Ashley Maxwell 09/03/20 12:24

# CS 15 P008108-15 (Solid)

		000100-13 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	228	20.0	1	08/29/20	08/29/20		



# CS 16 P008108-16 (Solid)

		000100 10 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	243	20.0	1	08/29/20	08/29/20		



# CS 17 P008108-17 (Solid)

		000100-17 (3011	u <i>)</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	49.9	20.0	1	08/29/20	08/30/20	·	·





 97057-0001
 Reported:

 Ashley Maxwell
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#### CS 18 P008108-18 (Solid)

r 000100-10 (Sullu)									
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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				
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	50-150	08/29/20	08/30/20				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043		
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20				
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	50-150	08/29/20	08/30/20				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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				
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/29/20				
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050		
Chloride	141	20.0	1	08/29/20	08/30/20	·	·		



# CS 19 P008108-19 (Solid)

		000100-17 (3011	·u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/29/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	306	20.0	1	08/29/20	08/30/20		



#### CS 20 P008108-20 (Solid)

		000100-20 (5011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035050
Chloride	223	20.0	1	08/29/20	08/30/20	·	·





5.27

5.27

10.4

5.18

15.6

7.91

0.0250

0.0250

0.0500

0.0250

0.0250

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Maxwell09/03/20 12:24

	Volat	tile Organics	by EPA 80	)21B - Qu	ality Cor	ıtrol			
		Reporting	Spike	Source		REC		RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035043-BLK1)							Prepared	: 08/29/20 0 A	analyzed: 08/29/20
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 A	analyzed: 08/29/20
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: P	008108-01	Prepared	: 08/29/20 0 A	analyzed: 08/29/20
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: P	008108-01	Prepared	: 08/29/20 0 A	analyzed: 08/29/20
Benzene	5.13	0.0250	5.00	ND	103	54-133	0.109	20	

5.00

5.00

10.0

5.00

15.0

ND

ND

ND

ND

ND

105

105

104

104

61-130

61-133

63-131

63-131

63-131

50-150

0.623

0.664

0.504

0.492

0.500

20

20

20

20

20

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Toluene

Ethylbenzene

Surrogate: 4-Bromochlorobenzene-PID

p,m-Xylene

o-Xylene Total Xylenes



Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

	Tionnalogena	eeu organies	ej Ellio	0102 0	ito Qui	inty Cont			
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: P	008108-01	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: P	008108-01	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			
Surrogate: 1-Cnioro-4-Juorobenzene-FID	7.28		8.00		90.9	30-130			





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

		- 8 /							
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)	ND	25.0							
Oil Range Organics (C28-C40)	ND	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: Po	008108-01	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: Po	008108-01	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			





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	l & Analyzed:	08/29/20 1
Chloride	ND	20.0							
LCS (2035050-BS1)							Prepared	l & Analyzed:	08/29/20 1
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2035050-MS1)					Source: P	008108-01	Prepared	l & Analyzed:	08/29/20 1
Chloride	560	20.0	250	314	98.3	80-120			
Matrix Spike Dup (2035050-MSD1)					Source: P	008108-01	Prepared	l & Analyzed:	08/29/20 1
Chloride	553	20.0	250	314	95.5	80-120	1.24	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 my differ slightly.





#### **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 Ir	ıformatio	n					c	Chain of Custod	у												Page	1	_ of1	Received
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City, Stat Phone: Email: Report d	Ashle	ey & Lynn			P	hone: mail:			O by 8015	GRO/DRO by 8015	8021				I I		ķ			NM × TX	colu	JT AZ		/16/2021 3
Time 5ampled	Date Sampled	Matrix	No Containers	Sample ID				Lab Number	рво/ова	GRO/DR	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDDC - NM	BGDOC - T		¥*		Remar	ks		:11:10
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	8.28.20	S	1			CS2 CS3		2			•					Х								
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	8.28.20	S	1			CS9		q				$\exists$	1	7		х		$\neg$						
	8.28.20	S	1			CS10		16								х					-			
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Sample Mati	ix: S - Soil, Sd	- Solid, \$g - 5	Sludge, A - Aq	ueous, O - Oth	er			Container	Type	a cel	ace =			Temp		<u></u>		104						
Note: Sampl	es are discard	ed 30 days a	fter results ar	e reported unl	ess other arra	ngements are mad he laboratory is lir	e. Hazardous samples whited to the amount pai	will be returned to cl	ient or	dispose	ed of at	the di	ent ex	pense.	The report	for the	analys	is of th	ne abo	vė sampi	les is ap	plicable		



Project Manager:

SMA

58481 WQU

Ashley Maxwell

Client:

Project:

Bill To

Enterprise

Attention:

Address:

SDWA

**EPA Program** 

CWA

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Page 45 of 264

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8.28	3.20	S	1			CS11	11									х						
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8.28	3.20	S	1			CS14	14									х						
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8.28	3.20	S	1			CS16	16									Х						
8.28	3.20	S	1			CS17	T.									Х						
8.28	3.20	S	1			CS18	18								01	х						
8.28	3.20	S	1			CS19	19								13	х						
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Additional Ins	structio	ns:					3				•											
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Relinquished by:	(Signatur	e)	Date		Time	Received by (Signature)	Date		Time			AVG	Tem	ıp °C_								
Sample Matrix: S - S	Soil. Sd - So	olid. Sg - S	Sludge. A - A	laueous. O - Ot	ther		Contain	er Tvp	e: g - i	glass						glass	. v - \	VOA				
Note: Samples are o	discarded :	30 days a	fter results a	are reported u	nless other arr	angements are made. Hazardous sample f the laboratory is limited to the amount	es will be returned to	client o											bove s	ample	s is appl	icable



Lab Use Only

Lab WO# P008108

Job Number 97057-0001

TAT

1D 3D

RCRA

# **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:	Walter Hinkman	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.



09/03/20 12:28

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

# **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.



# CS21 P008109-01 (Solid)

		000107-01 (3011	·u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	219	20.0	1	08/29/20	08/30/20		



Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

Ashley Maxwell 09/03/20 12:28

# CS22 P008109-02 (Solid)

		000102 02 (0011	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		88.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	188	20.0	1	08/29/20	08/30/20		



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

# CS23 P008109-03 (Solid)

		100) 30 (01000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	47.7	20.0	1	08/29/20	08/30/20		



Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

Ashley Maxwell 09/03/20 12:28

# CS24 P008109-04 (Solid)

	1	000107-04 (3011	·u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	113	20.0	1	08/29/20	08/30/20	·	·



# CS25 P008109-05 (Solid)

		000107-03 (301	u <i>)</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	131	20.0	1	08/29/20	08/30/20		



# CS26 P008109-06 (Solid)

		00102 00 (501	<del>)</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		103 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	86.7	20.0	1	08/29/20	08/30/20		



#### CS27 P008109-07 (Solid)

	1,	000109-07 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		1		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		99.4 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		102 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	66.2	20.0	1	08/29/20	08/30/20		





58481 WQU Souder Miller Associates - Carlsbad Project Name: 201 S Halagueno St. 97057-0001 Project Number: Carlsbad NM, 88220 Project Manager:

Reported: 09/03/20 12:28 Ashley Maxwell

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

		000109-00 (3011	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	73.2	20.0	1	08/29/20	08/30/20		





58481 WQU Souder Miller Associates - Carlsbad Project Name: 201 S Halagueno St. 97057-0001 Project Number: Carlsbad NM, 88220 Project Manager:

Reported: 09/03/20 12:28 Ashley Maxwell

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

	1	100) (0 (01000	<u>u)</u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	182	20.0	1	08/29/20	08/30/20		



#### CS30 P008109-10 (Solid)

		000109-10 (3011	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		99.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		91.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		104 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	160	20.0	1	08/29/20	08/30/20	·	·





 97057-0001
 Reported:

 Ashley Maxwell
 09/03/20 12:28

# CS31 P008109-11 (Solid)

		000107-11 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	157	20.0	1	08/29/20	08/30/20		



09/03/20 12:28

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS32 P008109-12 (Solid)

		700107-12 (SUII	<u>u,                                      </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		
o,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		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	135	20.0	1	08/29/20	08/30/20		



09/03/20 12:28

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

# CS33 P008109-13 (Solid)

		000107 12 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		91.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		109 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	211	20.0	1	08/29/20	08/30/20		



09/03/20 12:28

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS34 P008109-14 (Solid)

		100107 14 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		92.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	143	20.0	1	08/29/20	08/30/20		





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

# CS35 P008109-15 (Solid)

	1,	100107-13 (3011	u <i>j</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	123	20.0	1	08/29/20	08/30/20		•



09/03/20 12:28

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

CS36 P008109-16 (Solid)

		000107-10 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.4 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		109 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	147	20.0	1	08/29/20	08/30/20		



Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

Ashley Maxwell 09/03/20 12:28

# CS37 P008109-17 (Solid)

		000105 17 (0011	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		97.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		104 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	160	20.0	1	08/29/20	08/30/20		





# CS38 P008109-18 (Solid)

		000107 10 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	199	20.0	1	08/29/20	08/30/20		



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

# CS39 P008109-19 (Solid)

		000103 13 (0011	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		97.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		104 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	143	20.0	1	08/29/20	08/30/20	•	



# CS40 P008109-20 (Solid)

		000107-20 (3011	·u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		92.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035051
Chloride	192	20.0	1	08/29/20	08/30/20		





4.88

14.6

0.0250

0.0250

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Maxwell09/03/20 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	1: 08/29/20 0 A	Analyzed: 08/30/20 (	
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	l: 08/29/20 0 A	Analyzed: 08/30/20	
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: P	008109-01	Prepared	1: 08/29/20 0 A	Analyzed: 08/30/20	
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				

Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	50-150		
Matrix Spike Dup (2035044-MSD1)					Source: P	008109-01	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		

5.00

15.0

ND

ND

97.6

97.5

63-131

63-131

o-Xylene

Total Xylenes



Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
						Prepared	: 08/29/20 0	Analyzed: 08/30/20 0
ND	20.0							
7.19		8.00		89.9	50-150			
						Prepared	: 08/29/20 0	Analyzed: 08/30/20 0
49.6	20.0	50.0		99.3	70-130			
7.24		8.00		90.5	50-150			
				Source: P	008109-01	Prepared	: 08/29/20 0	Analyzed: 08/30/20 0
49.4	20.0	50.0	ND	98.8	70-130			
7.13		8.00		89.1	50-150			
				Source: P	008109-01	Prepared	: 08/29/20 0	Analyzed: 08/30/20 0
49.4	20.0	50.0	ND	98.9	70-130	0.0646	20	
7.11		8.00		88.8	50-150			
	mg/kg  ND  7.19  49.6  7.24  49.4  7.13	Result Limit mg/kg mg/kg  ND 20.0 7.19  49.6 20.0 7.24  49.4 20.0 7.13	Result mg/kg         Limit mg/kg         Level mg/kg           ND         20.0         8.00           7.19         8.00         8.00           49.6         20.0         50.0           7.24         8.00         8.00           49.4         20.0         50.0           7.13         8.00           49.4         20.0         50.0           49.4         20.0         50.0	Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg           ND         20.0         50.0           7.19         8.00           49.6         20.0         50.0           7.24         8.00           49.4         20.0         50.0         ND           7.13         8.00           49.4         20.0         50.0         ND	Result mg/kg         Limit Level mg/kg         Result mg/kg         REC mg/kg </td <td>Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC mg/kg         Limits mg/kg           ND         20.0         8.00         89.9         50-150           49.6         20.0         50.0         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01           49.4         20.0         50.0         ND         98.9         70-130           49.4         20.0         50.0         ND         98.9         70-130</td> <td>Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC         Limits RPD           ND         20.0         Prepared           1.19         8.00         89.9         50-150           Prepared         49.6         20.0         50.0         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01         Prepared           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01         Prepared           49.4         20.0         50.0         ND         98.9         70-130         0.0646</td> <td>Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC         Limits         RPD         Limit mg/kg           ND         20.0         Prepared: 08/29/20 0 A           7.19         8.00         89.9         50-150           Prepared: 08/29/20 0 A         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01         Prepared: 08/29/20 0 A           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01         Prepared: 08/29/20 0 A           49.4         20.0         50.0         ND         98.9         70-130         0.0646         20</td>	Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC mg/kg         Limits mg/kg           ND         20.0         8.00         89.9         50-150           49.6         20.0         50.0         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01           49.4         20.0         50.0         ND         98.9         70-130           49.4         20.0         50.0         ND         98.9         70-130	Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC         Limits RPD           ND         20.0         Prepared           1.19         8.00         89.9         50-150           Prepared         49.6         20.0         50.0         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01         Prepared           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01         Prepared           49.4         20.0         50.0         ND         98.9         70-130         0.0646	Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         REC         Limits         RPD         Limit mg/kg           ND         20.0         Prepared: 08/29/20 0 A           7.19         8.00         89.9         50-150           Prepared: 08/29/20 0 A         99.3         70-130           7.24         8.00         90.5         50-150           Source: P008109-01         Prepared: 08/29/20 0 A           49.4         20.0         50.0         ND         98.8         70-130           7.13         8.00         89.1         50-150           Source: P008109-01         Prepared: 08/29/20 0 A           49.4         20.0         50.0         ND         98.9         70-130         0.0646         20





Nonhalogenated Organics b	v EPA 8015D	- DRO/ORO -	Quality Control

140		Reporting	Spike	Source		REC		RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035041-BLK1)							Prepared	: 08/29/20 0 A	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 A	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: P	008109-01	Prepared	: 08/29/20 0 A	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: P	008109-01	Prepared	: 08/29/20 0 A	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			





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								
LCS (2035051-BS1)							Prepared: 08/29/20 1 Analyzed: 08/30/20 0			
Chloride	251	20.0	250		100	90-110				
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				
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		

# 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 my differ slightly.





**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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Client:		SMA					Bill To				La	ab U	se On	lv			T/	AT		EI	PA Progra	m
Project:		58481 W				Attention:	Enterprise			WO#			Job I	Vum			1D	(10.00)	RC		CWA	SDWA
	Manager:	Ashle	ey Maxwe	<u> </u>	5,83,938	Address:			PC	08	10	9	970	35	7-000	>1						
<u>Address:</u>					FF4533,2548,254	City, State, Zip							Analy	sis a	nd Met	hod					Sta	
City, Sta	te, Zip				APRIL CALLS	Phone:		·													NM CO	UT AZ
Phone:	• 11	0.1				Email:			015	015											×	
Email: Report d		ey & Lynn							by 8	by 8	121	09	9	0.00			Σ				TX OK	
Time	T	<b></b>	T	Т				556 .55 .55	ORO	ORO	у 80	y 82	601	de 3(			2	Ļ.				
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			Rem	arks
	8.28.20	S	1			CS21		21									X					
	8.28.20	S	1			CS22		上、ある									Х					
	8.28.20	S	1			CS23	8,	29 Z3									Х					
	8.28.20	S	1			CS24		24									Х					
	8.28.20	S	1			CS25	43	5									Х					
	8.28.20	S	1			CS26		Le									Х			150		
	8.28.20	S	1			CS27		7									Х					
	8.28.20	S	1			CS28		8									Х					
	8.28.20	S	1			CS29		O <sub>j</sub>									Х					
	8.28.20	S	1			CS30		10									Х					
Addition	al Instruc	tions:													· · · · · · · · · · · · · · · · · · ·							
TV				his sample. I am for legal action.		npering with or intent	onally mislabelling the sample	e location, date or													day they are san subsequent days.	
Relinquish	ed by: (Signa	iture)	Date 8.28.2	Contract of the Contract of th	Time L600	Received by:	(Signature)	/ Date 8.28.		Time	00		Rece	ived	on ice			b Us	e On	ly		
X	éd by: (Signa	T	Date	28	ime 1900	Received by:	(Signature)	Date /28	/	Time [9	: [2	<b>&gt;</b>	T1		011.100		r2				T3	
Relinguish	ed by: (Signa	iture)	Date		ime	Received by:	(Signature)	Date	_	Time			Sibis	Tem	ıp °C							
Sample Mat	rix: S - Soil, Sd	- Solid, Sg - :	Sludge, A - A	queous, <b>O</b> - Oth	ner			Container	Type	: g - g	ass.	<b>p</b> - p			-		glas	s. v - \	VOA			
Note: Sampl	les are discard	ed 30 days a	fter results a	re reported un	ess other arra	angements are mad	e. Hazardous samples will	be returned to cli	ent or	dispose	d of a	t the o	lient ex	pense	. The rep	ort fo	or the	analys	is of th	ne abo	ve samples is	applicable
only to those	e samples rec	eived by the	laboratory w	ith this COC. T	he liability of	the laboratory is lir	nited to the amount paid f	for on the report.													and the second of the second o	

Project Manager:

City, State, Zip

Report due by:

Sampled

8.28.20

8.28.20

8.28.20

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8.28.20

8.28.20

8.28.20

Additional Instructions:

SMA

Ashley & Lynn

Matrix

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58481 WQU

Ashley Maxwell

No

Containers

1

1

1

1

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Sample ID

Client:

Project:

Address:

Phone:

Email:

Sampled

Bill To

Enterprise

Attention:

City, State, Zip

**CS31** 

CS32

**CS33** 

**CS34** 

**CS35** 

**CS36** 

**CS37** 

**CS38** 

**CS39** 

**CS40** 

Address:

Phone:

Email:

**SDWA** 

**EPA Program** 

CWA

TX OK

State

NM CO UT AZ

Remarks

**RCRA** 

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Page 74 of 264

(field sampler), attest to the validity and autheni ime of collection is considered fraud and may be			pering with or intentionally mislabelling the sample loca	ation, date or			servation must be received on ice t g temp above 0 but less than 6 °C c	
elinquished by: (Signature)	Date 8.28.2020	Time 1600	Received by: (Signature)	8. 28	Time /600	Received on ice:	Lab Use Only  N	
elinquished by: (Signature)	Date 8.28	Time 1900	Received by: (Signature)	Pate 28/20	4:P1	T1	T2	Т3
elinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C	4	
ample Matrix: <b>S</b> - Soil, <b>Sd</b> - Solid, <b>Sg</b> - Sludge	e, <b>A</b> - Aqueous, <b>O</b> -	Other		Container Type	e: g - glass, p - p	ooly/plastic, ag - amb	per glass, v - VOA	
ote: Samples are discarded 30 days after re nly to those samples received by the labora	esults are reported atory with this COO	unless other arran The liability of the	gements are made. Hazardous samples will be noted to the laboratory is limited to the amount paid for o	returned to client or on the report.	r disposed of at the	client expense. The repo	rt for the analysis of the ab	oove samples is applicable
								ATTENDED TO THE PARTY OF THE PA

Lab Use Only

BTEX by 8021 VOC by 8260

Lab WO#

P009109

DRO/ORO by 8015 GRO/DRO by 8015

Lab

Number

11

13

15

16

17

19

20

Job Number

Chloride 300.0

Metals 6010

97057-0001

Analysis and Method

TAT

1D 3D

BGDOC - NM

X

X

X

X

X

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# **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:	Walter Winking	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.



Reported:

09/03/20 12:30

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

# **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.



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

	1,	000110-01 (5011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		1		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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	126	20.0	1	08/29/20	08/30/20		



## CS 42 P008110-02 (Solid)

		000110 02 (8011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	127	20.0	1	08/29/20	08/30/20		



## CS 43 P008110-03 (Solid)

		000110 00 (0011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		104 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	147	20.0	1	08/29/20	08/30/20		



## CS 44 P008110-04 (Solid)

		000110 0. (8011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	150	20.0	1	08/29/20	08/30/20		



## CS 45 P008110-05 (Solid)

		100) 20 011000	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	56.6	20.0	1	08/29/20	08/30/20		



## CS 46 P008110-06 (Solid)

	1	000110-00 (301	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		110 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	54.3	20.0	1	08/29/20	08/30/20		





58481 WQU Souder Miller Associates - Carlsbad Project Name: 201 S Halagueno St. 97057-0001 Project Number: Carlsbad NM, 88220

Project Manager: Ashley Maxwell

Reported: 09/03/20 12:30

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

		000110 07 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	55.0	20.0	1	08/29/20	08/30/20		



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

	1,	000110-00 (5011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	133	20.0	1	08/29/20	08/30/20		



## CS 49 P008110-09 (Solid)

		100) (0 011000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	92.2	20.0	1	08/29/20	08/30/20		





## CS 50 P008110-10 (Solid)

	1	000110-10 (301	<u>u)                                    </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	75.4	20.0	1	08/29/20	08/30/20		



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

	1,	000110-11 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		1		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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	89.8	20.0	1	08/29/20	08/30/20		



## CS 52 P008110-12 (Solid)

		000110 12 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	81.4	20.0	1	08/29/20	08/30/20		



## CS 53 P008110-13 (Solid)

		100) 31 011000	<u>u,                                      </u>				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	65.1	20.0	1	08/29/20	08/30/20		





## CS 54 P008110-14 (Solid)

	1	000110-14 (301	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	68.6	20.0	1	08/29/20	08/30/20		





## CS 55 P008110-15 (Solid)

	1	000110-13 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	69.0	20.0	1	08/29/20	08/30/20		





## CS 56 P008110-16 (Solid)

	1,	000110-10 (5011	u <i>j</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	60.7	20.0	1	08/29/20	08/30/20		



## CS 57 P008110-17 (Solid)

	1	000110-17 (3011	u)				
		Reporting			·		
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	85.3	20.0	1	08/29/20	08/30/20		





## CS 58 P008110-18 (Solid)

	1	000110-10 (301	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	77.0	20.0	1	08/29/20	08/30/20		



## CS 59 P008110-19 (Solid)

	1	000110-17 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	72.0	20.0	1	08/29/20	08/30/20		



## CS 60 P008110-20 (Solid)

		000110 20 (SOII	<u>u,                                      </u>				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035045
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035054
Chloride	75.8	20.0	1	08/29/20	08/30/20		





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

Carlsbad NM, 88220		Project Manager:			ell		09/03/20 12:30				
	Volat	tile Organics	by EPA 80	021B - Qu	ality Con	itrol					
		Reporting	Spike	Source		REC		RPD			
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%			
Blank (2035045-BLK1)							Prepared	: 08/29/20 0 A	analyzed: 08/29/20		
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 A	analyzed: 08/30/20		
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					
o,m-Xylene	10.8	0.0500	10.0		108	70-130					
o-Xylene	5.39	0.0250	5.00		108	70-130					
Fotal 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: P	008110-01	Prepared	: 08/29/20 0 A	analyzed: 08/30/20		
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					
o,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: P	008110-01	Prepared	: 08/29/20 0 A	analyzed: 08/30/20		
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			
te e											
o-Xylene	5.57	0.0250	5.00	ND	111	63-131	4.01	20			

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50-150

Surrogate: 4-Bromochlorobenzene-PID



Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

	Tionnalogena		J	OISD GI		mty Cont			
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	l: 08/29/20 0 A	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	l: 08/29/20 0 A	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: P	008110-01	Prepared	l: 08/29/20 0 A	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: P	008110-01	Prepared	1: 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			





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

		8				<u> </u>			
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 A	Analyzed: 08/29/20
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 A	Analyzed: 08/29/20
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: P	008110-01	Prepared	: 08/29/20 0 A	Analyzed: 09/01/20
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: P	008110-01	Prepared	: 08/29/20 0 A	Analyzed: 09/01/20
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			





Anions by EPA 300.0/9056A - Quality Control	
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Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC	REC Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	/0	/0			1 00/00/00
Blank (2035054-BLK1)							Prepared	: 08/29/20 1	Analyzed: 08/30/20 0
Chloride	ND	20.0							
LCS (2035054-BS1)							Prepared	: 08/29/20 1	Analyzed: 08/30/20 0
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2035054-MS1)					Source: P	008110-01	Prepared	: 08/29/20 1	Analyzed: 08/30/20 0
Chloride	371	20.0	250	126	97.8	80-120			
Matrix Spike Dup (2035054-MSD1)					Source: P	008110-01	Prepared	: 08/29/20 1	Analyzed: 08/30/20 0
Chloride	371	20.0	250	126	97.8	80-120	0.0377	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 my differ slightly.





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

#### **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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Note: Samples are discarded 30 days after results are reported unless only to those samples received by the laboratory with this COC. The l	other arrangements are made. Hazardous samples will be re	eturned to client or disposed of at the client expense. The report for the arm the report.	nalysis of the above samples is applicable
<b>C</b> envirotech	5795 US Highway 64, Farmington, NM 87401	Ph (505) 632-1881 Ex (505) 632-1865	envirotech-inc.com

Client: SMA				7/2	Bill To						La	b Us	se On	ly			T	AT		EPA Progr	gram	
Project:	oject: 58481 WQU Attention: oject Manager: Ashley Maxwell Address:					<u>Enterprise</u>				VO#			Job I	Vum	ber		1D		RCRA		SDWA	
		Ashle	ey Maxwe	<u> </u>	Control of the Contro				_ LP	200	28	10				7-00						
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Time			T -						8	080	- RO	y 80	/ 826	601	le 30			Z	Ĭ.			
Sampled	Date Sampled	Matrix	No Containers	Sample ID		<del></del>		Lal Num	er a	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX		Re	marks
6 4	8.28.20	S	1		CS	S41		1										Х				
	8.28.20	S	1		CS	S42		a										Х				
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	8.28.20	S	1		CS47			7									1	Х				
	8.28.20	S	1		CS	S48		8		1		1					1	Х				
	8.28.20	S	1		CS	\$49		9									$\dagger$	Х				
	8.28.20	S	1		CS	\$50	***************************************	10				1					1	х				
Addition	al Instruc	tions:																				
				nis sample. I am aware th		or intentiona	ally mislabelling the sa	imple location, date	or												he day they are s	000000000000000000000000000000000000000
				for legal action. Sampled										received	раскед	in ice at an	ivg tem				on subsequent da	rs.
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Refinquishe	d by: (Signa	ture)	Date	Time	Recei	ived by: (S	ignature)	Date		_	ime			AVG	Tom	n °C	(	4				
Sample Matri	ix: <b>S</b> - Soil, <b>Sd</b>	- Solid, <b>Sg</b> - S	ludge, <b>A</b> - Aq	ueous, <b>O</b> - Other				Contai	ner Ty	/pe: i	g - gla	ss, p	) - pc	ly/pla	stic,	ag - an	ber	glass	s, v - \	/OA		

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Report d	ue by:						- S	ORO	3 80	y 82	5 601		Z J	¥			
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		BGDOC - NM	BGDOC - TX		Re	emarks
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	8.28.20	S	1		CS52	12							Х				
	8.28.20	S	1		CS53	13							Х				
	8.28.20	S	1		CS54	14							х				
	8.28.20	S	1		CS55	ıs							х			1	
	8.28.20	S	1		CS56	16				$\neg$			Х	T			
	8.28.20	S	1		CS57	17							х	<u> </u>			
	8.28.20	S	1		CS58	18							х	<u> </u>			
	8.28.20	S	1		CS59	19				7			х	T		1	
	8.28.20	s	1		CS60	20				1			Х	-			
Addition	al Instruc	tions:	<u> </u>	L				1	L					1			
I, (field sampl	er), attest to the	e validity and	authenticity of	this sample. I am aware	that tampering with or intentionally mislabe	alling the sample location, date or						uiring thermal preso					
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			8.28	2020 1600		5 6 8.28			400		Receiv	ed on ice:	(	/)/ N			
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				queous, <b>0</b> - Other		Cantaia	T. T.		alaca			emp °C ic, ag - amb	or al-		VOA		

# **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:	Walter Hinkman	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.





**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.



#### CS61 P008111-01 (Solid)

		000111-01 (5011	<u></u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Tillaryee	resur	Ziiiit	Bilation	Trepured	7 mary 2ea		
Volatile Organics by EPA 8021B	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		99.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		109 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	128	20.0	1	08/29/20	08/31/20	·	·



#### CS62 P008111-02 (Solid)

		000111-02 (3011	<u></u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
·			Brianch	Trepared	111111) 200	Batch:	2035052
Volatile Organics by EPA 8021B	mg/kg	mg/kg				васп.	2033032
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		99.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		88.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	141	20.0	1	08/29/20	08/31/20	·	·



## CS63 P008111-03 (Solid)

		100) 30 111000	u)				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		86.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		110 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	121	20.0	1	08/29/20	08/31/20		



## CS64 P008111-04 (Solid)

		000111-04 (501	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		100 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		87.5 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	124	20.0	1	08/29/20	08/31/20		



## CS65 P008111-05 (Solid)

		000111 00 (0011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		
Nonhalogenated Organics by EPA 8015D - GRO	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		84.7 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	85.0	20.0	1	08/29/20	08/31/20		



## CS66 P008111-06 (Solid)

		000111 00 (5011	)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	102	20.0	1	08/29/20	08/31/20		





## CS67 P008111-07 (Solid)

		000111 07 (001	u)				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		86.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	100	20.0	1	08/29/20	08/31/20		





## CS68 P008111-08 (Solid)

		100) 00 111000	<i>w,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.3 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		85.6 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	109	20.0	1	08/29/20	08/31/20		



# CS69 P008111-09 (Solid)

	00111 07 (5011					
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035052
ND	0.0250	1	08/29/20	08/30/20		
ND	0.0250	1	08/29/20	08/30/20		
ND	0.0250	1	08/29/20	08/30/20		
ND	0.0500	1	08/29/20	08/30/20		
ND	0.0250	1	08/29/20	08/30/20		
ND	0.0250	1	08/29/20	08/30/20		
	99.1 %	50-150	08/29/20	08/30/20		
mg/kg	mg/kg				Batch:	2035052
ND	20.0	1	08/29/20	08/30/20		
	86.7 %	50-150	08/29/20	08/30/20		
mg/kg	mg/kg				Batch:	2035059
ND	25.0	1	08/29/20	08/30/20		
ND	50.0	1	08/29/20	08/30/20		
	106 %	50-200	08/29/20	08/30/20		
mg/kg	mg/kg				Batch:	2035058
108	20.0	1	08/29/20	08/31/20		·
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.050           86.7 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           106 %         mg/kg           mg/kg         mg/kg	Result         Reporting           Mean         Limit         Dilution           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         50-150           mg/kg         mg/kg           ND         20.0         1           86.7 %         50-150           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           106 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         mg/kg           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0500         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           nD         25.0         1         08/29/20           ND         25.0         1         08/29/20           ND         50.0         1         08/29/20           nD         50.0         1         08/29/20           mg/kg         mg/kg         08/29/20	Reporting           Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         08/29/20         08/30/20           ND         0.0250         1         08/29/20         08/30/20           ND         0.0250         1         08/29/20         08/30/20           ND         0.0500         1         08/29/20         08/30/20           ND         0.0250         1         08/29/20         08/30/20           ND         0.0250         1         08/29/20         08/30/20           MD         0.0250         1         08/29/20         08/30/20           mg/kg         mg/kg         08/29/20         08/30/20           mg/kg         mg/kg         08/29/20         08/30/20           mg/kg         mg/kg         08/29/20         08/30/20           ND         25.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           mg/kg         mg/kg         08/30/20         08/30/20	Reporting         Prepared         Analyzed         Notes           mg/kg         mg/kg         Dilution         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         08/30/20         NB/30/20           ND         0.0250         1         08/29/20         08/30/20         NB/30/20           ND         0.0250         1         08/29/20         08/30/20         Batch:           ND         0.0250         1         08/29/20         08/30/20         Batch:           ND         50-150         08/29/20         08/30/20         Batch:           ND         20.0         1         08/29/20         08/30/20         Batch:           ND         25.0         1         08/29/20         08/30/20         Batch:           ND         25.0         1         08/29/20         08/30/20         Batch:           ND         50.0         1         08/29/20         08/30/20         Batch:           ND         50.0





# CS70 P008111-10 (Solid)

		100) 01 111000	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	82.2	20.0	1	08/29/20	08/31/20		





## CS71 P008111-11 (Solid)

	1	000111-11 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		103 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	51.3	20.0	1	08/29/20	08/31/20		



# CS72 P008111-12 (Solid)

		000111 12 (501	u)				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	86.7	20.0	1	08/29/20	08/31/20		





# CS73 P008111-13 (Solid)

	1	1100) 61-111000	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	71.9	20.0	1	08/29/20	08/31/20		



# CS74 P008111-14 (Solid)

		100) +1 111000	<i>w,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		103 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	86.8	20.0	1	08/29/20	08/31/20		





## CS75 P008111-15 (Solid)

	100111 15 (501)	/				
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035052
ND	0.0250	1	08/29/20	08/31/20		
ND	0.0250	1	08/29/20	08/31/20		
ND	0.0250	1	08/29/20	08/31/20		
ND	0.0500	1	08/29/20	08/31/20		
ND	0.0250	1	08/29/20	08/31/20		
ND	0.0250	1	08/29/20	08/31/20		
	102 %	50-150	08/29/20	08/31/20		
mg/kg	mg/kg				Batch:	2035052
ND	20.0	1	08/29/20	08/31/20		
	84.7 %	50-150	08/29/20	08/31/20		
mg/kg	mg/kg				Batch:	2035059
ND	25.0	1	08/29/20	08/30/20		
ND	50.0	1	08/29/20	08/30/20		
	102 %	50-200	08/29/20	08/30/20		
mg/kg	mg/kg				Batch:	2035058
139	20.0	1	08/29/20	08/31/20		
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           Mg/kg         mg/kg           MD         20.0           84.7 %         mg/kg           ND         25.0           ND         50.0           102 %         mg/kg           mg/kg         mg/kg	Result         Reporting           Mean         Limit         Dilution           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         50-150           mg/kg         mg/kg           ND         20.0         1           84.7 %         50-150           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           102 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         mg/kg           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0500         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           nD         25.0         1         08/29/20           ND         25.0         1         08/29/20           ND         50.0         1         08/29/20           nD         50.0         1         08/29/20           mg/kg         mg/kg         08/29/20	Reporting           Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         08/29/20         08/31/20           ND         0.0250         1         08/29/20         08/31/20           ND         0.0250         1         08/29/20         08/31/20           ND         0.0500         1         08/29/20         08/31/20           ND         0.0250         1         08/29/20         08/31/20           ND         0.0250         1         08/29/20         08/31/20           ND         0.0250         1         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/30/20           ND         25.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           mg/kg         mg/kg         08/29/20	Reporting         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         08/31/20         NB 31/20           ND         0.0250         1         08/29/20         08/31/20         NB 31/20           ND         0.0500         1         08/29/20         08/31/20         NB 31/20           ND         0.0250         1         08/29/20         08/31/20         Batch:           ND         0.0250         1         08/29/20         08/31/20         Batch:           ND         0.0250         1         08/29/20         08/31/20         Batch:           ND         20.0         1         08/29/20         08/31/20         Batch:           ND         20.0         1         08/29/20         08/31/20         Batch:           ND         25.0         1         08/29/20         08/30/20         Batch:           ND         50.0         1         08/29/20         08/30/20         Batch:           ND         50.0         1



### CS76 P008111-16 (Solid)

F006111-10 (S0Hu)													
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes							
Volatile Organics by EPA 8021B	mg/kg	mg/kg		1		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								
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	50-150	08/29/20	08/31/20								
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052						
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20								
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	50-150	08/29/20	08/31/20								
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		101 %	50-200	08/29/20	08/30/20								
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058						
Chloride	115	20.0	1	08/29/20	09/01/20								



## CS77 P008111-17 (Solid)

		000111 17 (8011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	71.8	20.0	1	08/29/20	09/01/20		





# CS78 P008111-18 (Solid)

		000111-10 (501	u <i>)</i>				
		Reporting		_			
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	57.6	20.0	1	08/29/20	09/01/20	·	·



# CS79 P008111-19 (Solid)

		`	•				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		104 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	56.9	20.0	1	08/29/20	09/01/20		



### CS80 P008111-20 (Solid)

		000111-20 (5011	<u></u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		
Surrogate: 4-Bromochlorobenzene-PID		104 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035052
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		102 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035058
Chloride	63.2	20.0	1	08/29/20	09/01/20		





Carlsbad NM, 88220 Project Manager: Ashley Maxwell				ell				09/03/20 12:28	
	Volat	tile Organics	by EPA 8	021B - Qu	ality Cor	ıtrol			
		Reporting	Spike	Source		REC		RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	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			
o,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: P	008111-01	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			
o,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: P	008111-01	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	

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Surrogate: 4-Bromochlorobenzene-PID

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Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

	Tionnaiogena					inty Cont			
		Reporting	Spike	Source	P.F.0	REC	222	RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035052-BLK1)							Prepared	1: 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	1: 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: P	008111-01	Prepared	1: 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)	Dup (2035052-MSD2) Source: P008111					008111-01	Prepared	1: 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			





Nonhalogenated Organics by	EPA 8015D -	- DRO/ORO -	<b>Quality Control</b>

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	l: 08/29/20 1 A	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	l: 08/29/20 1 A	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: Po	008111-01	Prepared	l: 08/29/20 1 A	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: Po	008111-01	Prepared	l: 08/29/20 1 A	Analyzed: 09/01/20 1
Diesel Range Organics (C10-C28)	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			





Anions by EPA 300.0/9056A - Quality Control

	7.81	nons by Lift	000.077030	ori Quan	ty Conti	UI .			
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 A	analyzed: 08/31/20 1
Chloride	ND	20.0							
LCS (2035058-BS1)							Prepared	: 08/29/20 1 A	analyzed: 08/31/20 1
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2035058-MS1)					Source: P	008111-01	Prepared	: 08/29/20 1 A	analyzed: 08/31/20 1
Chloride	382	20.0	250	128	102	80-120			
Matrix Spike Dup (2035058-MSD1)					Source: P	008111-01	Prepared	: 08/29/20 1 A	analyzed: 08/31/20 1
Chloride	383	20.0	250	128	102	80-120	0.332	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 my differ slightly.

Envirotech, Inc | 5796 U.S Highway 64 | Farmington, NM 87401 | 505.632.1881 | Envirotech-inc.com





#### **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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Client:		SMA				Bill To				La	ab U	se On	ly		Т	AT	E	PA Progra	am
Project:		58481 W				ention: Enterprise		Lab	WO#			Job 1			1D	3D	RCRA	CWA	SDWA
	Manager:	Ashle	ey Maxwe	·II	-	dress:		PO	380	111				7-0001					
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City, Stat	te, Zip				Pho	one:												NM CO	UT AZ
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Report d	lue by:			<del>,</del>				RO	RO	γ 80	826	601	le 30		Z	Ķ			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX		Ren	narks
	8.28.20	S	1			CS61	1								X				
	8.28.20	S	1			CS62	a								Х				
	8.28.20	S	1			CS63	3								х				
	8.28.20	S	1			CS64	4								х				
	8.28.20	S	1			CS65	5								х				
	8.28.20	S	1			CS66	6								х				
	8.28.20	S	1			CS67	7								Х				
	8.28.20	S	1			CS68	8								х				
	8.28.20	S	1			CS69	9								х				
	8.28.20	S	1			CS70	10								х				
Addition	nal Instruc	tions:																	
				this sample. I am aw s for legal action. San		ring with or intentionally mislabelling the sample i	location, date or											ne day they are sa n subsequent day	
Relinquish	ed by: (Signa	ature)	Date 8.28.			Received by: (Signature)	Date 8.28		Time	00		Rece	ived	l on ice:	(Y	ab Us	se Only		
Relinquish	ed by: (Sign:	ature)	Date	28 /	900	Received by: (Signature)	8/28	100	Time										
Relinguish	ed by: (Sign	ature)	Date	Time	2	Received by: (Signature)	Date		Time			AVG	Tem	np °C_	,				
Sample Mat	trix: S - Soil, Se	d - Solid, Sg -	Sludge, A - A	queous, O - Other			Container	Туре	: g - s	glass,	<b>p</b> - p			ag - ambe	er gla	ss, v -	VOA		
					other arrang	gements are made. Hazardous samples will b												ove samples	s applicable
only to thos	se samples rec	ceived by the	laboratory w	ith this COC. The	liability of th	e laboratory is limited to the amount paid fo	or on the report.												

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Client:		SMA				*************	Bill To				L	ab U	se Or	ly			TAT	1	E	PA Progra	ım
Project:		58481 W				ntion:	Enterprise		Lab	WO#			Job	Num		10	30	F	RCRA	CWA	SDWA
	Manager:	Ashle	ey Maxwe	:II	Addre				PC	300	31		91	8	7.00	7					
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City, Sta	te, Zip				Phon															NM CO	UT AZ
Phone: Email:	A a b l	ey & Lynn			Email	l:			015	015						1				×	
Report d		ey & Lynn							by 8	by 8	021	09	10	0.00		Σ				TX OK	
Time	Date Date		No	T				Lab	ORO S	DRO	by 8	y 82	s 60	de 3		نَ	Į ž				
Sampled	Sampled	Matrix	Containers	Sample ID				Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC.			Ren	narks
	8.28.20	S	1			CS71		l l								Х					
	8.28.20	S	1			CS72		la								Х					
	8.28.20	S	1			CS73		13								Х					
	8.28.20	S	1			CS74		14								Х	0	T			
	8.28.20	S	1			CS75		15								Х					
	8.28.20	<b>S</b> 2-	1			CS76		10								х					
	8.28.20	S	1			CS77		日								Х					
	8.28.20	S	1			CS78		18								Х					*****
	8.28.20	S	1			CS79		19								Х					
	8.28.20	S	1			CS80		20								Х					
Addition	al Instruc	tions:						1													33
				this sample. I am aware		with or intention	onally mislabelling the sam	ple location, date or												day they are sar subsequent days	
	ed by: (Signa		Date 8.28.2	Time		Received by:	(Signature)	Date 8.28	3	Time	000		Rece	havio	on ice:		Lab (		Only		
Relinquish	by: (Signa	ture)	Date 8.	28 19		Received by:	(Signature)	Date 28/6	3	Time	:12		T1	iveu	on ice.	T2				T3	
Retinguish	ed by: (Signa	ture)	Date	Time	R	Received by:	(Signature)	Date	-	Time				Tem	ip °C						
Sample Mat	rix: S - Soil, Sd	- Solid, Sg - S	Sludge, A - A	queous, O - Other				Container	Type	: g - p	lass	<b>p</b> - n	oly/pl	astic	ag - am	her øl:	955 1/	- VO	Δ		
Note: Sampl	es are discard	ed 30 days a	fter results a	re reported unless oth	er arrangeme	ents are made	. Hazardous samples w	ill be returned to cli	ent or	dispose	ed of a	t the	lient ex	pense	. The rep	ort for t	he ana	lysis o	f the abo	ve samples is	applicable
only to thos	e samples rec	eived by the	laboratory w	ith this COC. The liab	lity of the lab	boratory is lim	ited to the amount paid	for on the report.							00.0710/ <b>7.5</b>			,		oup. ao i.	

# **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:	Walter Winden	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.



**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.





# CS81 P008112-01 (Solid)

		000112 01 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/30/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	50-150	08/29/20	08/30/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	09/01/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	60.1	20.0	1	08/31/20	09/01/20		



# CS82 P008112-02 (Solid)

		000112 02 (8011	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		110 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	64.1	20.0	1	08/31/20	09/01/20		



# CS83 P008112-03 (Solid)

		000112-05 (5011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	69.7	20.0	1	08/31/20	09/01/20		



# CS84 P008112-04 (Solid)

		000112 04 (SOII	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	44.5	20.0	1	08/31/20	09/01/20		





### CS85 P008112-05 (Solid)

	1,	JU0112-US (SUII	u <i>)</i>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	48.3	20.0	1	08/31/20	09/01/20		



## CS86 P008112-06 (Solid)

		000112 00 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	76.9	20.0	1	08/31/20	09/01/20		



## CS87 P008112-07 (Solid)

		000112 0: (8011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	63.7	20.0	1	08/31/20	09/01/20		





# CS88 P008112-08 (Solid)

		000112 00 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	49.1	20.0	1	08/31/20	09/01/20		





# CS89 P008112-09 (Solid)

		000112 05 (8011	· <i>)</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	57.1	20.0	1	08/31/20	09/01/20		



# CS90 P008112-10 (Solid)

	1	000112 10 (501	<u>u,                                      </u>				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	142	20.0	1	08/31/20	09/01/20		



# CS91 P008112-11 (Solid)

		000112 11 (8011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	129	20.0	1	08/31/20	09/01/20		



# CS92 P008112-12 (Solid)

	1	000112 12 (501	<u>u,                                      </u>				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	76.0	20.0	1	08/31/20	09/01/20		



# CS93 P008112-13 (Solid)

		000112-15 (5011	u)				
		Reporting			·		
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		104 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	51.2	20.0	1	08/31/20	09/01/20		



# CS94 P008112-14 (Solid)

		000112 11 (8011	<del>"</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	43.0	20.0	1	08/31/20	09/01/20		



# CS95 P008112-15 (Solid)

	1	000112 13 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	51.8	20.0	1	08/31/20	09/01/20		



#### CS96 P008112-16 (Solid)

		000112 10 (8011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		107 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	52.4	20.0	1	08/31/20	09/01/20		



# CS97 P008112-17 (Solid)

		000112 17 (8011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		103 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	32.8	20.0	1	08/31/20	09/01/20		





# CS98 P008112-18 (Solid)

	1	000112 10 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	107	20.0	1	08/31/20	09/01/20		





#### CS99 P008112-19 (Solid)

		JU0112-19 (SUII	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		<u> </u>		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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	103	20.0	1	08/31/20	09/01/20	·	·





#### CS100 P008112-20 (Solid)

	1,	JU0112-20 (SUII	u <i>)</i>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		1		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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035053
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	50-150	08/29/20	08/31/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036003
Chloride	116	20.0	1	08/31/20	09/01/20		





Carlsbad NM, 88220		Project Manage	er: A	shley Maxw	ell				09/03/20 12:31
	Volat	tile Organics	by EPA 80	)21B - Qu	ality Con	itrol			
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			
o,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: P	008112-01	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			
o,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: P	008112-01	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	

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Surrogate: 4-Bromochlorobenzene-PID



Nonhalogenated	Organics by	v 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: P	008112-01	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: P	008112-01	Prepared	: 08/29/20 1	Analyzed: 08/31/20 (
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			





	Nonhalogenated	Organics by	EPA 8015D -	- DRO/ORO -	<b>Quality Control</b>
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		- 8				<u> </u>			
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	l: 08/29/20 1 <i>a</i>	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	1: 08/29/20 1	Analyzed: 09/01/20
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: Po	008112-01	Prepared	1: 08/29/20 1	Analyzed: 09/01/20
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: Po	008112-01	Prepared	i: 08/29/20 1 <i>i</i>	Analyzed: 09/01/20
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			





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							
LCS (2036003-BS1)							Prepared	: 08/31/20 0	Analyzed: 09/01/20 0
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2036003-MS1)					Source: Po	008112-01	Prepared	: 08/31/20 0	Analyzed: 09/01/20 0
Chloride	312	20.0	250	60.1	101	80-120			
Matrix Spike Dup (2036003-MSD1)					Source: Po	008112-01	Prepared	: 08/31/20 0	Analyzed: 09/01/20 0
Chloride	303	20.0	250	60.1	97.2	80-120	2.75	20	

# 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 my differ slightly.





#### **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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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		Re	marks	
	8.28.20	S	1		CS81		1								Х					
	8.28.20	S	1		CS82		2								Х					
	8.28.20	S	1		CS83		3								х					
	8.28.20	S	1		CS84		4								х					
	8.28.20	S	1		CS85		5								х					
	8.28.20	S	1		CS86		6								Х					
	8.28.20	S	1		CS87		7								Х					
	8.28.20	S	1		CS88		8								Х					
	8.28.20	S	1		CS89		9								Х					
	8.28.20	S	1		CS90		10								Х					
Addition	al Instruct	ions:				***************************************		L						<u> </u>				J	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	
					that tampering with or intentionally mislabelling	the sample loca	tion, date or					The same of the same of		g thermal prese in ice at an avg t						
				s for legal action. Sample								received	packed	in ice at all avg				r subsequent da	175.	
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Relinquish	ed by: (Signa	ture)	Date		Received by: (Signature)		Date		Time	_		AVG	Tem	un °C	+					
Sample Mat	riv: S - Soil Sd	- Solid Sa	Cludes A A	queous, <b>O</b> - Other			Container			- I										

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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		Ren	narks
	8.28.20	S	1		CS91		11								Х				
	8.28.20	S	1		CS92		12								х				
	8.28.20	S	1		CS93		13								х				
	8.28.20	S	1		CS94		14								Х				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	8.28.20	S	1		CS95		15								Х				
	8.28.20	S	1		CS96		16								Х				
-	8.28.20	S	1		CS97		17								Х				
	8.28.20	S	1		CS98		18								Х				
	8.28.20	S	1		CS99		19								Х				
	8.28.20	S	1		CS100		a0								Х				***************************************
	al Instruc																		
time of collec	tion is consider	ed fraud and m		his sample. I am aware that for legal action. Sampled b		ally mislabelling the sample loc	cation, date or											e day they are san subsequent days	
Relinquishe	ed by: (Signa	nture)	Date 8.28.2	Time 1600	Received by: (S	~~~	B . 2 8	3	Time	00		Recei	ved	on ice:	La	b Us	e Only		
X	by: (Signa	-27	Date	.28 Time	Received by: (S	Signature)	Pat 28/2		Time 19	:12	7	T1			T2	٠٠ و		T3	
Relinquishe	ed by: (Signa	iture)	Date	Time	Received by: (S	oignature)	Date		Time	•		AVG <sup>-</sup>	Tom	n°c 4					
Sample Matr	ix: S - Soil, Sd	- Solid, <b>Sg</b> - S	Sludge, A - Ac	ueous, <b>O</b> - Other			Container	Type	· g - g	ass	0 - nc	oly/nla	stic	ag - ambe	rglac	S 1/ - 1	/ΩΔ		
Note: Sample	es are discard	led 30 days at	fter results ar	e reported unless other	arrangements are made.	Hazardous samples will be	returned to cli	ent or	dispose	d of a	t the c	lient ext	oense.	The report	for the	analys	is of the abo	ve samples is	applicable
only to those	samples rece	eived by the I	aboratory wi	th this COC. The liabilit	y of the laboratory is limit	ed to the amount paid for o	on the report.			3.75									

# **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:	Walter Hinkman	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.



97057-0001 **Reported:**Ashley Maxwell 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.



 97057-0001
 Reported:

 Ashley Maxwell
 09/03/20 12:33

#### CS101 P008113-01 (Solid)

	100110 011000	/				
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035055
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0500	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
	100 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035055
ND	20.0	1	08/29/20	09/01/20		
	88.5 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035061
ND	25.0	1	08/29/20	08/30/20		
ND	50.0	1	08/29/20	08/30/20		
	109 %	50-200	08/29/20	08/30/20		
mg/kg	mg/kg				Batch:	2036004
55.7	20.0	1	08/31/20	09/01/20	·	·
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0           88.5 %         mg/kg           ND         25.0           ND         50.0           109 %         mg/kg           mg/kg         mg/kg	Result         Reporting           Mean         Limit         Dilution           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         50-150           mg/kg         mg/kg           ND         20.0         1           88.5 %         50-150           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           109 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         mg/kg           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0500         1         08/29/20           ND         0.0250         1         08/29/20           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           nD         25.0         1         08/29/20           ND         50.0         1         08/29/20           nD         50.0         1         08/29/20           mg/kg         mg/kg         08/29/20	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         mg/kg         ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0500         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           MD         0.0250         1         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         08/30/20           ND         25.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           mg/kg         mg/kg         08/29/20         08/30/20         08/30/20	Reporting         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0500         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         50-150         08/29/20         09/01/20           mg/kg         mg/kg         Batch:           ND         20.0         1         08/29/20         09/01/20           mg/kg         mg/kg         Batch:           ND         25.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20           ND         50.0         1         08/29/20         08/30/20



#### CS102 P008113-02 (Solid)

		700115 02 (501	/				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	51.7	20.0	1	08/31/20	09/01/20		



#### CS103 P008113-03 (Solid)

		000110 00 (8011	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.5 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		106 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	64.8	20.0	1	08/31/20	09/01/20		



# CS104 P008113-04 (Solid)

		100) +0 211000	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		110 %	50-200	08/29/20	08/30/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	45.0	20.0	1	08/31/20	09/01/20		





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#### CS105 P008113-05 (Solid)

		000113-03 (301	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	48.5	20.0	1	08/31/20	09/01/20		



# CS106 P008113-06 (Solid)

		100) 00 211000	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		99.9 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	43.2	20.0	1	08/31/20	09/01/20		



#### CS107 P008113-07 (Solid)

	1	000113-07 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		97.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	38.1	20.0	1	08/31/20	09/01/20	·	·





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

#### CS108 P008113-08 (Solid)

		000113-00 (3011	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Tropulou	1 11111 ) 200	Batch:	2035055
			1	08/29/20	09/01/20	Datem	2033033
Benzene	ND	0.0250	1				
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		99.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	44.8	20.0	1	08/31/20	09/01/20		



# CS109 P008113-09 (Solid)

		000110 05 (8011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	38.2	20.0	1	08/31/20	09/01/20		





#### CS110 P008113-10 (Solid)

		100) 01 211000	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	48.8	20.0	1	08/31/20	09/01/20		



#### CS111 P008113-11 (Solid)

		000115 11 (5011	u)				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	53.2	20.0	1	08/31/20	09/01/20		





#### CS112 P008113-12 (Solid)

		000113-12 (3011	<u>u,                                      </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		97.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		89.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		105 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	44.5	20.0	1	08/31/20	09/01/20	·	·





#### CS113 P008113-13 (Solid)

		000110 10 (8011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		98.0 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.7 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	103	20.0	1	08/31/20	09/01/20		





#### CS114 P008113-14 (Solid)

		000110 11 (8011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,m-Xylene	ND	0.0500	1	08/29/20	09/01/20		
p-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		97.3 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		92.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	107	20.0	1	08/31/20	09/01/20		





#### CS115 P008113-15 (Solid)

		000113-13 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	124	20.0	1	08/31/20	09/01/20		





#### CS116 P008113-16 (Solid)

	100115 10 (5011	)				
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035055
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0500	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
	98.0 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035055
ND	20.0	1	08/29/20	09/01/20		
	90.8 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035061
ND	25.0	1	08/29/20	08/31/20		
ND	50.0	1	08/29/20	08/31/20		
	103 %	50-200	08/29/20	08/31/20		
mg/kg	mg/kg				Batch:	2036004
68.9	20.0	1	08/31/20	09/01/20		·
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.050           98.0 %         mg/kg           MD         20.0           90.8 %         mg/kg           ND         25.0           ND         50.0           103 %         mg/kg           mg/kg         mg/kg	Result         Reporting           Mean         Limit         Dilution           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         50-150           mg/kg         mg/kg           ND         20.0         1           90.8 %         50-150           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           103 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         mg/kg           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           nD         25.0         1         08/29/20           ND         50.0         1         08/29/20           ND         50.0         1         08/29/20           ng/kg         mg/kg         08/29/20	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         mg/kg         Prepared         Analyzed           MD         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0500         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         08/31/20           ND         25.0         1         08/29/20         08/31/20           ND         50.0         1         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/31/20	Reporting         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0500         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           Poll W         50-150         08/29/20         09/01/20           mg/kg         mg/kg         Batch:           ND         20.0         1         08/29/20         09/01/20           mg/kg         mg/kg         Batch:           ND         25.0         1         08/29/20         08/31/20           ND         50.0         1         08/29/20         08/31/20           ND         50.0         1         08/29/20         08/31/20





#### CS117 P008113-17 (Solid)

		000115 17 (5011	<u>u,                                      </u>				
_		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.0 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		91.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		96.9 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	76.6	20.0	1	08/31/20	09/01/20		



## CS118 P008113-18 (Solid)

		000118 10 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.7 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		99.3 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	81.2	20.0	1	08/31/20	09/01/20		





#### CS119 P008113-19 (Solid)

	1,	000113-19 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	105	20.0	1	08/31/20	09/02/20		



## CS120 P008113-20 (Solid)

		000110 20 (0011	<del>"</del> ,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		98.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		90.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		110 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036004
Chloride	107	20.0	1	08/31/20	09/02/20		





Carlsbad NM, 88220	rlsbad NM, 88220 Project Manager:				ell	09/03/20 12:33			
	Volat	tile Organics	by EPA 8	021B - Qu	ality Cor	itrol			
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: P	008113-01	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: P	008113-01	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	

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Surrogate: 4-Bromochlorobenzene-PID



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	1: 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	1: 08/29/20 1	Analyzed: 09/01/20 (
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: P	008113-01	Prepared	1: 08/29/20 1	Analyzed: 09/01/20 (
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: P	008113-01	Prepared	1: 08/29/20 1	Analyzed: 09/01/20 (
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			





Nonhalogenated Organics b	v EPA 8015D	- DRO/ORO -	Quality Control

		8 6				<u> </u>			
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: n-Nonane	53.4		50.0		107	50-200			
LCS (2035061-BS1)							Prepared	: 08/29/20 1 A	Analyzed: 09/01/20
Diesel Range Organics (C10-C28)	476	25.0	500		95.1	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2035061-MS1)					Source: P	008113-01	Prepared	: 08/29/20 1 A	Analyzed: 09/01/20
Diesel Range Organics (C10-C28)	468	25.0	500	ND	93.5	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			
Matrix Spike Dup (2035061-MSD1)					Source: P	008113-01	Prepared	: 08/29/20 1 A	Analyzed: 09/01/20
Diesel Range Organics (C10-C28)	471	25.0	500	ND	94.1	38-132	0.661	20	





Anions	hv	FPA	300	0/90564	- Quality	Control
Amons	IJΥ	LPA	200	.U/YUOOA	- Quanty	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 (2036004-BLK1)							Prepared	l: 08/31/20 0 A	Analyzed: 09/01/20 1
Chloride	ND	20.0							
LCS (2036004-BS1)							Prepared	l: 08/31/20 0 A	Analyzed: 09/01/20 1
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2036004-MS1)					Source: P	008113-01	Prepared	l: 08/31/20 0 A	Analyzed: 09/01/20 1
Chloride	310	20.0	250	55.7	102	80-120			
Matrix Spike Dup (2036004-MSD1)					Source: P	008113-01	Prepared	l: 08/31/20 0 A	Analyzed: 09/01/20 1
Chloride	299	20.0	250	55.7	97.2	80-120	3.86	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 my differ slightly.





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

#### **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.

Received by OCD: 3/16/2021 3:11:10 PM

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Client:		SMA			Bill To											TA	AT		EPA Program		
Project:		58481 W			Attention:	<u>Enterprise</u>			WO#			Job N				1D	3D	RCRA	CWA	SDWA	
	Manager:	Ashle	y Maxwe		Address:			PC	300	311		_		1-cc	_						
Address					City, State, Zip							Analy	sis ar	nd Met	thod					tate	
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Report o	T	r	r	I			1 125	88	DRO	by 8	ny 82	s 60	de 3			- J	, -;				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX		Re	marks	
	8.28.20	S	1		CS101		1									X					
	8.28.20	S	1		CS102		2									Х					
	8.28.20	S	1		CS103		3									Х					
	8.28.20	S	1		CS104		4									Х					
	8.28.20	S	1		CS105		5									Х					
	8.28.20	S	1		CS106		0									Х					
7 5.0	8.28.20	S	1		CS107		7									Х					
	8.28.20	S	1		CS108		8									Х					
	8.28.20	S	1		CS109		9									Х					
	8.28.20	S	1		CS110		10									Х					
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200000-00000000000000000000000000000000	ed by: (Signa		Date 8.28.3	Time	Received by:	(Signature) 5	Date 8.2	8	Time	,06	·	Rece	ived	l on ic	e:		ab Us	e Only			
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Relinquish	ed by: (Signa	ature)	Date	Time	Received by:	(Signature)	Date		Time			AVG	Ten	o °C	4	(					
Sample Ma	trix: S - Soil. So	d - Solid, Sg -	Sludge, A - A	queous, <b>O</b> - Other			Containe	r Type	: g - g	glass.	<b>p</b> - <b>p</b>	98-50-00 April 1985		P40	mbe	r glas	ss, v -	VOA			
Note: Samp	les are discard	ded 30 days a	fter results a	re reported unless oth		e. Hazardous samples will be	e returned to c	lient or											bove sample:	is applicable	

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Time	Date		No	SI- IB				Lab	J/OR	J/DR	x by	VOC by 8260	als 6	oride	BGDOC - NM	BGDOC - TX			Pon	20110
Sampled	Sampled	Matrix	Containers	Sample ID				Number	DRC	GRC	BTE	VOC	Met	ਤੱ	BGD	BGD			Ken	narks
	8.28.20	S	1			CS111		11							Х					
	8.28.20	S	1			CS112		12							Х					
	8.28.20	S	1			CS113		13							Х					
	8.28.20	S	1			CS114		14							Х					
	8.28.20	S	1			CS115		15							Х					
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			61 1 2 4	queous, <b>O</b> - Other _				Cantainas	Tuna	L	loss		AVG	stic, ag - an	nhor a	-	VOA			

# **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:	Walter Hindun	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.



**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.





Project Number: 97057-0001 Reported:
Project Manager: Ashley Maxwell 09/03/20 12:33

## CS121 P008114-01 (Solid)

	1	000114-01 (5011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		111 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	55.0	20.0	1	08/31/20	09/01/20		



## CS122 P008114-02 (Solid)

		000114-02 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	26.1	20.0	1	08/31/20	09/01/20		



## CS123 P008114-03 (Solid)

	1	000114-05 (501	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	49.2	20.0	1	08/31/20	09/01/20		



09/03/20 12:33

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS124 P008114-04 (Solid)

		1106) +0-+11000	<del>u)</del>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	37.9	20.0	1	08/31/20	09/01/20		



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

## CS125 P008114-05 (Solid)

		100) 20 +11000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	38.2	20.0	1	08/31/20	09/01/20		



## CS126 P008114-06 (Solid)

		100) 00 111000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	28.8	20.0	1	08/31/20	09/01/20		



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

## **CS127** P008114-07 (Solid)

			,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
,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		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20		
Dil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20		
urrogate: n-Nonane		112 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	44.3	20.0	1	08/31/20	09/01/20		



09/03/20 12:33



Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

## CS128 P008114-08 (Solid)

		000114-00 (501	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		112 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	40.1	20.0	1	08/31/20	09/01/20		





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwel

Project Manager: Ashley Maxwell 09/03/20 12:33

## CS129 P008114-09 (Solid)

	1	00011 <del>4</del> -07 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		102 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	33.3	20.0	1	08/31/20	09/01/20		





## CS130 P008114-10 (Solid)

	1,	100114-10 (5011	<u>u)</u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		115 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	34.7	20.0	1	08/31/20	09/01/20		





## CS131 P008114-11 (Solid)

		000114-11 (5011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	32.3	20.0	1	08/31/20	09/01/20		·



## CS132 P008114-12 (Solid)

	1	000114-12 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		112 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	35.0	20.0	1	08/31/20	09/01/20		•



#### CS133 P008114-13 (Solid)

	P	008114-13 (8011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		111 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	52.2	20.0	1	08/31/20	09/01/20		





#### CS134 P008114-14 (Solid)

Γ'	000114-14 (5011	u)				
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg				Batch:	2035056
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0500	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
ND	0.0250	1	08/29/20	09/01/20		
	98.6 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035056
ND	20.0	1	08/29/20	09/01/20		
	86.7 %	50-150	08/29/20	09/01/20		
mg/kg	mg/kg				Batch:	2035062
ND	25.0	1	08/29/20	08/31/20		
ND	50.0	1	08/29/20	08/31/20		
	112 %	50-200	08/29/20	08/31/20		
mg/kg	mg/kg				Batch:	2036006
42.2	20.0	1	08/31/20	09/01/20		
	Result  mg/kg  ND  ND  ND  ND  ND  ND  MD  MD  MD  MD	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.05           86.7 %         mg/kg           MD         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           98.6 %         50-150           mg/kg         mg/kg           ND         20.0         1           86.7 %         50-150           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           112 %         50-200           mg/kg         mg/kg	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg           ND         0.0250         1         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           mg/kg         mg/kg         08/29/20           nD         25.0         1         08/29/20           ND         25.0         1         08/29/20           ND         50.0         1         08/29/20           ng/kg         mg/kg         08/29/20	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         mg/kg         MD         0.0250         1         08/29/20         09/01/20           ND         0.0250         1         08/29/20         09/01/20           MD         0.0250         1         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         mg/kg         08/29/20         09/01/20           mg/kg         08/29/20         08/31/20           ND         25.0         1         08/29/20         08/31/20           ND         50.0         1         08/29/20         08/31/20           ND         50.0         1         08/29/20         08/31/20           mg/kg         mg/kg         08/29/20         08/31/20	Result         Limit         Dilution         Prepared         Analyzed         Notes           mg/kg         mg/kg         Batch:           ND         0.0250         1         08/29/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20         09/01/20





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwel

Project Manager: Ashley Maxwell 09/03/20 12:33

#### CS135 P008114-15 (Solid)

	1	000114-13 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		119 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	49.3	20.0	1	08/31/20	09/01/20		





## CS136 P008114-16 (Solid)

		000114 10 (501	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		118 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	77.2	20.0	1	08/31/20	09/01/20		



09/03/20 12:33

Souder Miller Associates - CarlsbadProject Name:58481 WQU201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell

CS137 P008114-17 (Solid)

		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		98.7 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20		
Dil 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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	184	20.0	1	08/31/20	09/01/20		





## CS138 P008114-18 (Solid)

		100) 01 +11000	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		114 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	77.3	20.0	1	08/31/20	09/01/20		



Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwel

Project Manager: Ashley Maxwell 09/03/20 12:33

## CS139 P008114-19 (Solid)

		000114-17 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		109 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	64.4	20.0	1	08/31/20	09/01/20		





## CS140 P008114-20 (Solid)

	1	000114-20 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035056
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		115 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036006
Chloride	65.0	20.0	1	08/31/20	09/01/20		





Carlsbad NM, 88220		Project Manag	er: A	shley Maxw	vell				09/03/20 12:33
	Vola	tile Organics	by EPA 80	021B - Qu	ıality Cor	itrol			
		Reporting	Spike	Source		REC		RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035056-BLK1)							Prepared	: 08/29/20 1	Analyzed: 09/01/2
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	8.13		8.00		102	50-150			
LCS (2035056-BS1)							Prepared	: 08/29/20 1	Analyzed: 09/01/2
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			
o,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: P	008114-01	Prepared	: 08/29/20 1	Analyzed: 09/01/2
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: P	008114-01	Prepared	: 08/29/20 1	Analyzed: 09/01/2
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	

15.0

8.00

0.0250

ND

102

63-131

50-150

3.35

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15.3

8.40

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID



Nonhalogenated Organics by EPA 8015D - GRO - Quality Control	Nonhalogenated Org	anics by EPA 80151	D - GRO - Ouali	tv Control
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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	1: 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	1: 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: P	008114-01	Prepared	1: 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: P	008114-01	Prepared	1: 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			





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

	1 tommurogenuteur	g				₹			
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)	ND	25.0							
Oil Range Organics (C28-C40)	ND	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: 1	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: 1	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			





Anione	by FDA	300.0/9056A	Quality	Control
Anions	DV ĽPA	. 300.0/9050A :	- Quanty	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	l: 08/31/20 1 A	Analyzed: 09/01/20 0
Chloride	ND	20.0							
LCS (2036006-BS1)							Prepared	l: 08/31/20 1 A	Analyzed: 09/01/20 0
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2036006-MS1)					Source: P	008114-01	Prepared	l: 08/31/20 1 A	Analyzed: 09/01/20 0
Chloride	311	20.0	250	55.0	102	80-120			
Matrix Spike Dup (2036006-MSD1)					Source: P	008114-01	Prepared	l: 08/31/20 1 A	Analyzed: 09/01/20 0
Chloride	312	20.0	250	55.0	103	80-120	0.276	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 my differ slightly.





Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

er: Ashley Maxwell 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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envirotech-inc.com

Project Manager:

City, State, Zip

Report due by:

Sampled

8.28.20

8.28.20

8.28.20

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8.28.20

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SMA

Ashley & Lynn

Matrix

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58481 WQU

Ashley Maxwell

Containers

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Sample ID

Client:

Project:

Address:

Phone:

Email:

Time

Sampled

Bill To

Enterprise

Attention:

Address: City, State, Zip

Phone:

Email:

CS131

CS132

CS133

CS134

CS135

CS136

SDWA

**EPA Program** 

CWA

TX OK

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Additiona	Instruc	tions:									
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ample Matri	k: S - Soil, Sd	- Solid, Sg -	Sludge, A - Aqueous, O	- Other		Container Type	e: g - glass, p -	poly/plastic, ag - am	nber glass, v	- VOA	
					gements are made. Hazardous samples wine laboratory is limited to the amount paid		disposed of at the	client expense. The rep	ort for the anal	ysis of the at	oove samples is applicable
	À			- L	4000 Mark Sc. 198 M. Victorio-Schallen		CHOOL SPACE ARMS			envire	otech-inc.com



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

Lab Use Only

Job Number

Chloride 300.0

97057-0001

Analysis and Method

Lab WO# P008/14

GRO/DRO by 8015 DRO/ORO by 8015

Lab

Number

12

BTEX by 8021

VOC by 8260 Metals 6010



## **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:	Walter Winking	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.





**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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09/03/20 12:34

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS141 P008115-01 (Solid)

		000113 01 (501	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		156 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	81.6	20.0	1	08/31/20	08/31/20		



58481 WQU Souder Miller Associates - Carlsbad Project Name: 201 S Halagueno St. 97057-0001 Project Number: Carlsbad NM, 88220 09/03/20 12:34 Project Manager: Ashley Maxwell

> **CS142** P008115-02 (Solid)

		000112 02 (0011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,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		99.2 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		104 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	26.0	20.0	1	08/31/20	08/31/20		



09/03/20 12:34

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS143 P008115-03 (Solid)

	Γ'	008115-03 (Son	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
o,m-Xylene	ND	0.0500	1	08/29/20	09/01/20		
-Xylene	ND	0.0250	1	08/29/20	09/01/20		
Total Xylenes	ND	0.0250	1	08/29/20	09/01/20		
urrogate: 4-Bromochlorobenzene-PID		100 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
urrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	50-150	08/29/20	09/01/20		
Sonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035063
Diesel Range Organics (C10-C28)	37.6	25.0	1	08/29/20	08/31/20		
Dil 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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	47.3	20.0	1	08/31/20	08/31/20		



Project Number: 97057-0001 Reported:
Project Manager: Ashley Maxwell 09/03/20 12:34

## CS144 P008115-04 (Solid)

		000113-04 (3011	<u>u,                                      </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		108 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	46.3	20.0	1	08/31/20	08/31/20		



## CS145 P008115-05 (Solid)

		100) 20 211000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		103 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		118 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	124	20.0	1	08/31/20	08/31/20		



## CS146 P008115-06 (Solid)

		000113 00 (1000	<i>u,</i>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035057
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	50-150	08/29/20	09/01/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		103 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	115	20.0	1	08/31/20	08/31/20		



09/03/20 12:34

Souder Miller Associates - Carlsbad Project Name: 58481 WQU
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Ashley Maxwell

CS147 P008115-07 (Solid)

		000113-07 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Briation	TTopurou	1 mary 200	Batch:	2035057
Renzene	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		104 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		86.1 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		89.6 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	47.6	20.0	1	08/31/20	08/31/20		





## CS148 P008115-08 (Solid)

		000116 00 (0011	<del>",</del>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		86.0 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		139 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	42.0	20.0	1	08/31/20	08/31/20		





## CS149 P008115-09 (Solid)

		000113 07 (5011	<u>u,                                      </u>				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		104 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		86.1 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		150 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	72.4	20.0	1	08/31/20	08/31/20		





## CS150 P008115-10 (Solid)

		10 (501	,				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		104 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		87.1 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		107 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	46.4	20.0	1	08/31/20	08/31/20		·





## CS151 P008115-11 (Solid)

		000113-11 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	52.8	20.0	1	08/31/20	08/31/20		





## CS152 P008115-12 (Solid)

	1,	000113-12 (3011	u)				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		103 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		85.0 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Surrogate: n-Nonane		105 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	38.3	20.0	1	08/31/20	08/31/20		





## CS153 P008115-13 (Solid)

		- (					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		102 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - GRO	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		85.1 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		111 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	42.7	20.0	1	08/31/20	08/31/20		





## CS154 P008115-14 (Solid)

		000113-14 (3011	<u> </u>				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Tropulou	That jee	Batch:	2035057
	ND	0.0250	1	08/29/20	09/02/20		2000007
Benzene	ND	0.0250	1	08/29/20	09/02/20		
Toluene			1				
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		
Nonhalogenated Organics by EPA 8015D - GRO	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		87.0 %	50-150	08/29/20	09/02/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		98.4 %	50-200	08/29/20	08/31/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	140	20.0	1	08/31/20	08/31/20	·	·





**Reported:** 09/03/20 12:34

## CS155 P008115-15 (Solid)

		000113-13 (3011	u)				
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2036007
Chloride	87.2	20.0	1	08/31/20	08/31/20		





Carlsbad NM, 88220		Project Manage	er:	Ashley Maxw	ell				09/03/20 12:34
	Vola	tile Organics	by EPA 8	021B - Qu	ality Cor	itrol			
		Reporting	Spike	Source		REC		RPD	
Analyte	Result	Limit	Level	Result	REC	Limits	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: P	008115-01	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: P	008115-01	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	

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Surrogate: 4-Bromochlorobenzene-PID



Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

	Tionnaiogena		~ 5 ======	0150 01	<del>(</del>	inty Cont			
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: P	008115-01	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: P	008115-01	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			





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

		<u> </u>				<u> </u>			
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 A	Analyzed: 08/31/20 1
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			
LCS (2035063-BS1)							Prepared	: 08/29/20 1 A	Analyzed: 08/31/20 1
Diesel Range Organics (C10-C28)	530	25.0	500		106	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			
Matrix Spike (2035063-MS1)					Source: P	008117-01	Prepared	: 08/29/20 1 A	analyzed: 08/31/20 1
Diesel Range Organics (C10-C28)	678	25.0	500	ND	136	38-132			M2
Surrogate: n-Nonane	72.5		50.0		145	50-200			
Matrix Spike Dup (2035063-MSD1)					Source: P	008117-01	Prepared	: 08/29/20 1 A	Analyzed: 08/31/20 1
Diesel Range Organics (C10-C28)	526	25.0	500	ND	105	38-132	25.3	20	R2
Surrogate: n-Nonane	57.9		50.0		116	50-200			





Anions by EPA 300.0/9056A - Quality Control

		Reporting	Spike	Source		REC		RPD		
Analyte	Result	Limit	Level	Result	REC	Limits	RPD	Limit	Notes	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		
Blank (2036007-BLK1)							Prepared	l & Analyzed:	08/31/20 1	
Chloride	ND	20.0								
LCS (2036007-BS1)							Prepared	l & Analyzed:	08/31/20 1	
Chloride	250	20.0	250		99.8	90-110				
Matrix Spike (2036007-MS1)					Source: P	008115-01	Prepared	l & Analyzed:	08/31/20 1	
Chloride	345	20.0	250	81.6	105	80-120				
Matrix Spike Dup (2036007-MSD1)					Source: P	008115-01	Prepared	l & Analyzed:	08/31/20 1	
Chloride	341	20.0	250	81.6	104	80-120	1.22	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 my differ slightly.

Envirotech, Inc | 5796 U.S Highway 64 | Farmington, NM 87401 | 505.632.1881 | Envirotech-inc.com





#### **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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	8.28.20	S	1			CS143	3								Х				
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	8.28.20	S	1	<b>-</b>		CS149	q								X				<del>5</del>
	8.28.20	S	1	-		CS150	10								Х				
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183	150				on. Sampled by:					Service and desired		received	i packed	in ice at an avg	temp ab	ove 0 but	less than 6 °C o	n subsequent da	iys.
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Report to:
Ashley Maxwell





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Souder Miller Associates - Carlsbad

Project Name: 58481 WQU

Work Order: E101020

Job Number: 19026-0001

Received: 1/19/2021

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	Reported:
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	01/22/21 09:51

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.

Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## RCS#3 E101020-01

	E101020-01				
Recult	Reporting	Dilution	Prenared	Analyzed	Notes
Result	Lillit	Dilution	Trepared	Anaryzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2104002
ND	0.0250	1	01/19/21	01/20/21	
ND	0.0250	1	01/19/21	01/20/21	
ND	0.0250	1	01/19/21	01/20/21	
ND	0.0500	1	01/19/21	01/20/21	
ND	0.0250	1	01/19/21	01/20/21	
ND	0.0250	1	01/19/21	01/20/21	
	98.1 %	70-130	01/19/21	01/20/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2104002
ND	20.0	1	01/19/21	01/20/21	
	96.8 %	70-130	01/19/21	01/20/21	
mg/kg	mg/kg	Analy	/st: JL		Batch: 2104008
ND	25.0	1	01/19/21	01/21/21	
ND	50.0	1	01/19/21	01/21/21	
	106 %	50-200	01/19/21	01/21/21	
mg/kg	mg/kg	Analy	vst: NE		Batch: 2104010
47.6	20.0	1	01/20/21	01/20/21	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           98.1 %         mg/kg           MD         20.0           96.8 %         mg/kg           ND         25.0           ND         50.0           106 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           98.1 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           96.8 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           106 %         50-200         1           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         01/19/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         01/19/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         01/19/21           ND         50.0         1         01/19/21           ND         50.0         1         01/19/21           ND         50.0         1         01/19/21           ND         50.0         1         01/19/21           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         01/19/21         01/20/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0250         1         01/19/21         01/20/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         01/19/21         01/20/21           mg/kg         mg/kg         Analyst: JL         01/20/21           ND         25.0         1         01/19/21         01/21/21           ND         25.0         1         01/19/21         01/21/21           ND         50.0         1         01/19/21         01/21/21           ND         50.0         1         01/19/21



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## RCS#4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	01/19/21	01/20/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/20/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	01/19/21	01/20/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		100 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: NE		Batch: 2104010



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## RCS#9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	01/19/21	01/20/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analy	Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/20/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	01/19/21	01/20/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Anal	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	
Surrogate: n-Nonane		97.0 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: NE		Batch: 2104010
Chloride	67.6	20.0		01/20/21	01/20/21	



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## RCS#10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Ana	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	
Surrogate: n-Nonane		105 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A		mg/kg	Ana	lyst: NE		Batch: 2104010
· · · · · · · · · · · · · · · · · · ·	59.5	20.0		01/20/21	01/20/21	



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

## RCS#14

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	An	Analyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	An	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	
Surrogate: n-Nonane		101 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: NE		Batch: 2104010
Chloride	ND	20.0	1	01/20/21	01/20/21	



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

### RCS#16

#### E101020-06

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: NE		Batch: 2104010
Chloride	ND	20.0	1	01/20/21	01/20/21	<del>-</del>



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

### RCS#22

### E101020-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		112 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: NE		Batch: 2104010
Chloride	57.9	20.0	1	01/20/21	01/20/21	



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

### RCS#144

		E101020-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
o,m-Xylene	ND	0.0500	1	01/19/21	01/21/21	
p-Xylene	ND	0.0250	1	01/19/21	01/21/21	
Total Xylenes	ND	0.0250	1	01/19/21	01/21/21	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		103 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: NE		Batch: 2104010
Chloride	158	20.0	1	01/20/21	01/20/21	



Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	1/22/2021 9:51:48AM

### RCS#149

		E101020-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2104002
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/19/21	01/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	01/19/21	01/21/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	01/19/21	01/21/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: NE		Batch: 2104010
Chloride	83.7	20.0	1	01/20/21	01/20/21	



## **QC Summary Data**

58481 WQU Souder Miller Associates - Carlsbad Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Prepared: 01/19/21 Analyzed: 01/20/21 Blank (2104002-BLK1) ND 0.0250 ND 0.0250 Toluene Ethylbenzene ND 0.0250 ND p,m-Xylene 0.0500 ND o-Xylene 0.0250 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.2 70-130 Prepared: 01/19/21 Analyzed: 01/20/21 LCS (2104002-BS1) 4.73 94.6 70-130 5.00 Benzene 0.0250 4.97 0.0250 5.00 99.4 70-130 Toluene Ethylbenzene 5.01 0.0250 5.00 100 70-130 102 p,m-Xylene 10.2 0.0500 10.0 70-130 5.08 5.00 102 70-130 0.0250 o-Xvlene 102 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 102 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.16 Prepared: 01/19/21 Analyzed: 01/20/21 Matrix Spike (2104002-MS1) Source: E101017-01 Benzene 4.86 0.0250 5.00 ND 97.3 54-133 103 61-130 Toluene 5.14 0.0250 5.00 ND Ethylbenzene 5.20 0.0250 5.00 ND 104 61-133 10.5 ND 105 63-131 10.0 0.0500 p,m-Xylene o-Xylene 5.26 0.0250 5.00 ND 105 63-131 15.8 0.0250 15.0 ND 63-131 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 8.23 8.00 70-130 **Source: E101017-01** Prepared: 01/19/21 Analyzed: 01/20/21 Matrix Spike Dup (2104002-MSD1) Benzene 4.93 0.0250 5.00 ND 98.6 54-133 1.33 20 61-130 5.16 0.0250 5.00 ND 103 0.360 20 Toluene Ethylbenzene 5.21 0.0250 5.00 ND 104 61-133 0.133 20

10.0

5.00

15.0

8.00

0.0500

0.0250

0.0250

ND

ND

ND

105

106

105

101

63-131

63-131

63-131

70-130

0.169

0.249

0.196

20

20

20

10.5

5.28

15.8

8.10



p.m-Xvlene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

o-Xylene

# **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

Carlsbad NM, 88220		Project Manage	r: As	hley Maxwel	11			1/22	/2021 9:51:48AM
	Non	halogenated	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
Blank (2104002-BLK1)						Pre	pared: 01/1	9/21 Analyze	d: 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)						Pre	pared: 01/1	9/21 Analyze	d: 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)				Sou	rce: E1010	017-01 Pre	pared: 01/1	9/21 Analyze	d: 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)				Sou	rce: E1010	017-01 Pre	pared: 01/1	9/21 Analyze	d: 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 - CarlsbadProject Name:58481 WQUReported:201 S Halagueno St.Project Number:19026-0001Carlsbad NM, 88220Project Manager:Ashley Maxwell1/22/20219:51:48AM

Carisbad IVIVI, 86220		1 Toject Wanage	1. 710	sincy waxwei	1			1/2	2/2021 7.51.10/11/
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2104008-BLK1)						Pre	pared: 01/	19/21 Analyz	red: 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)						Pre	pared: 01/	19/21 Analyz	ed: 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)				Sou	rce: E101	017-04 Pre	pared: 01/	19/21 Analyz	ed: 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)				Sou	rce: E101	017-04 Pre	pared: 01/	19/21 Analyz	red: 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			

Chloride

# **QC Summary Data**

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		58481 WQU 19026-0001					Reported:
Carlsbad NM, 88220		Project Manager		Ashley Maxwell					1/22/2021 9:51:48AM
		Anions	by EPA	300.0/9056A					Analyst: NE
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2104010-BLK1)						Pro	epared: 01/2	20/21 Ana	lyzed: 01/20/21
Chloride	ND	20.0							
LCS (2104010-BS1)						Pro	epared: 01/2	20/21 Ana	lyzed: 01/20/21
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2104010-MS1)				Sour	ce: E101	015-01 Pro	epared: 01/2	20/21 Ana	lyzed: 01/20/21
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2104010-MSD1)				Sour	ce: E101	015-01 Pro	epared: 01/2	20/21 Ana	lyzed: 01/20/21

250

20.0

ND

102

80-120

0.129

#### 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**

ſ	Souder Miller Associates - Carlsbad	Project Name:	58481 WQU	
l	201 S Halagueno St.	Project Number:	19026-0001	Reported:
١	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.



Client:	51	1A				Bill To		-			La	b Us	e Onl	у .		T	TAT	T	El	A Progra	m
Project:	58	481	WQU	1/		Attention: Enterprise			Lab	WO#	- ^		Job N			10	3D	RO	CRA	CWA	SDWA
Project N	Manager:	Ashley	14/00	ve//		Address:				1016			40	214.	0001						
Address:						City, State, Zip			RAS	class	21		Analy:	sis an	d Meth	od			,	Sta	
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Report d	ue by:								80	ROL	y 80	826	601	e 30		Ž	×				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	-8			Lab Number	DRO/ORO by 8015	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.		MM - JOUE	BGDOC			Rem	arks
12:10	1/15/21	Ş	1	R	C5 5	#3		1								1					
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12:45			1	R	CS 2	1 144 /		8								X	<u> </u>				
12:50	7	7	1	R	C5 1	# 149		9								7					
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Addition	al Instruc	tions:															,				
				this sample. I am s for legal action.		ampering with or intentionally mislabelling t	he sample loca	tion, date or												day they are sar subsequent days	
Relinquished by: (Signature)  Date   Time   Received by: (Signature)   P: 15					5	Date / 180	8-21 Time Lab Use Only Received on ice: (7) N														
Relinquished by: (Signature) Date Time			154		ians	Date Time 14		14	30		T1 T2			<u>T3</u>	¥1						
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Sample Mat	rix: <b>S</b> - Soil, <b>S</b> d	I - Solid, Sg	- Sludge, A - A	queous, <b>0</b> - Oth	er			Container	Type	: <b>g</b> - g	lass,						ass, v	- VOA	1		
						rrangements are made. Hazardous sam	ples will be r													ve samples i	applicable
						of the laboratory is limited to the amou															

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5795 JB Highway 64 Farmington, NV 37461

24 Hour Emergency Response Phone (800) 362-1379

Ph (505) 532-1881 Fx (505) 632-1865

envirotech-inc.com

labadmin@envirotech-inc.com

Received by OCD: 3/16/2021 3:11:10 PM

envirotech Inc.

Printed: 1/19/2021 3:27:55PM

### **Envirotech Analytical Laboratory**

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 th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mate	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>F</u>	ed Ex		
4. Was the	e COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes	_			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	· •						
	ample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	· · · · · · · · · · · · · · · · · · ·		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	•	temperature. 4	<u>c</u>				
Sample C	ontainer queous VOC samples present?		No				
	OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
	• • • • • • • • • • • • • • • • • • • •						
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers conected?	Yes				
Field Lab							
	field sample labels filled out with the minimum information in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the control in the	manon.	Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	does the COC specify which phase(s) is to be analy		NA				
	act Laboratory		No				
	imples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	-	NA NA	C1	NT 4		
29. was a	subcontract laboratory specified by the chefit and if	so who:	INA	Subcontract Lab	D: NA		
Client In	struction						

Date

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

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 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:			OGRID:	Action Number:	Action Type:
ENTERPRISE FIELD SERVICES, LLC	PO Box 4324	Houston, TX77210	241602	20979	C-141

OCD Reviewer	Condition
chensley	None