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	nAPP2123824305
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R Dunaway Date: 5/12/22

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

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2123824505
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Energy Minerals and Natural Resources Department

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

Incident ID	nAPP2123824305
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Closure

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Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R Dunaway Date: 5/12/22

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2123824303
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Robert Hamlet Date: 8/25/2022

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

Closure Approved by: Robert Hamlet Date: 8/25/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

May 12, 2022

#5E29133-BG15

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

SUBJECT: Remediation Closure Report for the Trunk C Release (nAPP2123824305), Eddy County, New Mexico

1.0 Executive Summary

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of natural gas related to oil and gas production activities at the Trunk C site. The pipeline is located in Unit G, Section 15, Township 24S, Range 29E, Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

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

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

SMA recommends no further action and requests that the release associated with the Trunk C pipeline (nAPP2123824305) be closed.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Trunk C Pipeline	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.221149, -103.971509
Tracking Number	nAPP2123824305		
Estimated Date of Release	8/24/2021	Date Reported to NMOCD	9/7/2021
Land Owner	Federal	Reported To	NMOCD District II
Source of Release	Leak on gathering pipeline		
Released Volume	1 BBLS 430 Mcf	Released Material	Condensate & Natural Gas
Recovered Volume	0 BBLS 0 Mcf	Net Release	1 BBLS 430 Mcf

NMOCD Closure Criteria	<50 feet bgs
SMA Response Dates	9/17/2021, 2/18/2022, and 5/6/2022

2.0 Background

On August 24, 2021, a release was discovered along the Trunk C pipeline. Initial response activities were conducted by Enterprise, which included source elimination, site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and pipeline location; Figure 2 illustrates the release location. The initial C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The Trunk C pipeline is located approximately 19 miles southeast of Carlsbad, New Mexico on Federal (BLM) land at an elevation of approximately 2,942 feet above mean sea level (amsl).

Depth to Groundwater
Due to the lack of water well data (Appendix B), depth to groundwater in the area reverts to the most conservative Closure Criteria category of less than 50 feet below grade surface (bgs).

Wellhead Protection Area
There are no known water sources within ½-mile of the location, according to the Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS). Registered wells in the vicinity of the pipeline are shown on Figure 1.

Distance to Nearest Significant Watercourse
The nearest significant watercourse is the Pecos River, located approximately 3,686 feet to the southwest.

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

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs in addition to the requirement of reclamation for the upper four feet of impacted soil.

4.0 Release Characterization and Remediation Activities

On September 17, 2021, SMA collected confirmation samples comprised of five-point composites from the walls (SW1-SW4) and base (BS1) of the excavation, which measured approximately 8 feet by 25 feet with a maximum depth of approximately 11 feet. A background sample was also collected from a nearby undisturbed area and a stockpile sample was collected from the onsite spoils pile.

A total of nine (9) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Figure 3 shows the extent of the final excavation and closure sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

SMA returned to site on February 18, 2022, to complete four (4) soil borings within the excavation to sample backfill material. For each boring, a sample was collected at surface, two (2) feet, and four (4) feet bgs. A total of twelve (12) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

At the request of NMOCD, SMA returned to site on May 6, 2022, to complete a soil boring to eleven (11) feet bgs. Samples were collected at 1-foot increments for a total of eleven (11) samples. The samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

4.0 Site Recommendations

As demonstrated in Table 3, all closure samples meet the Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC. The stockpile met NMOCD closure standards and was used as backfill material to return the surface to previous contours.

SMA recommends no further action and requests closure of Incident Number nAPP2123824305.

5.0 Scope and Limitations

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

If there are any questions regarding this report, please contact either Ashley Maxwell or Heather Woods at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

Ashley Maxwell
Project Scientist

Heather M, Woods, P.G.
Project Geoscientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 10/12/2021

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Surface Water Radius Map
Figure 3: Site and Initial Sample Location Map

Tables:

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

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: Sampling Protocol and Field Notes
Appendix D: Laboratory Analytical Reports
Appendix E: Photo Log

FIGURES

TABLES

APPENDIX A
FORM C141

APPENDIX B
NMOSE WELLS REPORT

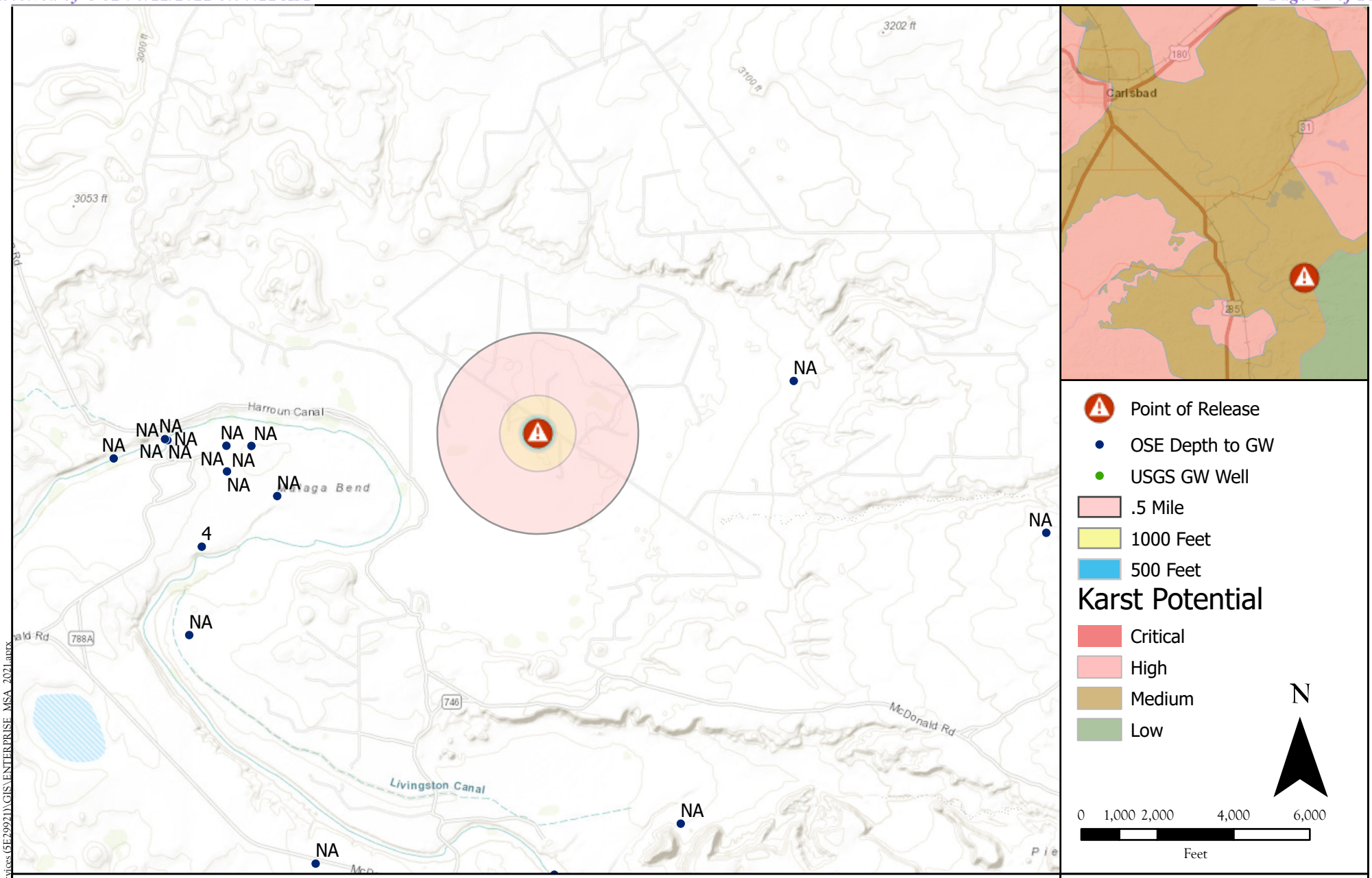
APPENDIX C
SAMPLING PROTOCOL
&
FIELD NOTES

APPENDIX D

LABORATORY ANALYTICAL REPORTS

APPENDIX E
PHOTO LOG

FIGURES



Site Map

Trunk C - Enterprise Field Services, LLC

32.221149 -103.971509, Eddy County, New Mexico

Figure 1

P:\5-Enterprise 2021 MSA on Call Services (5E29921)\GIS\ENTERPRISE_MSA_2021.aprx
Date Saved: 8/2/2021

Revisions

By:_____ Date:_____ Descr:_____

By:_____ Date:_____ Descr:_____

Drawn PR Smith

Date 9/1/2021

Checked

Approved

SMA

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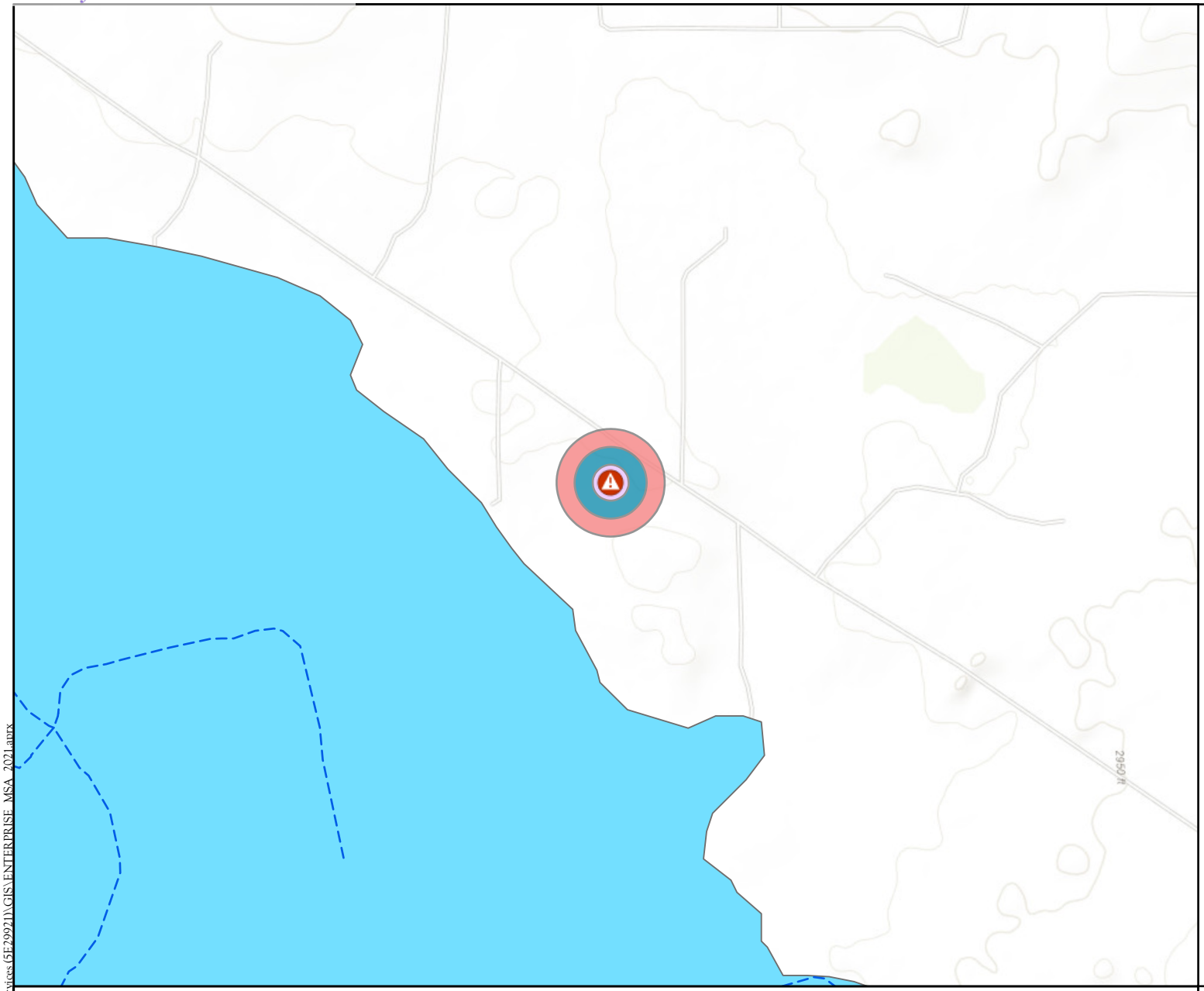

Point of Release
100 Feet
200 Feet
300 Feet
Streams & Canals
Flowlines SENM
Lakes & Playas

N

0 270 540 1,080 1,620
Feet

Surface Water Protection Map
Trunk C - Enterprise Field Services, LLC
32.221149 -103.971509, Eddy County, New Mexico

Figure 2

P:\5-Enterprise 2021 MSA on Call Services (5F29921)\GIS\ENTERPRISE_MSA_2021.aprx
Date Saved: 9/1/2021

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

Drawn PR Smith
Date 9/3/2021
Checked
Approved

SMA
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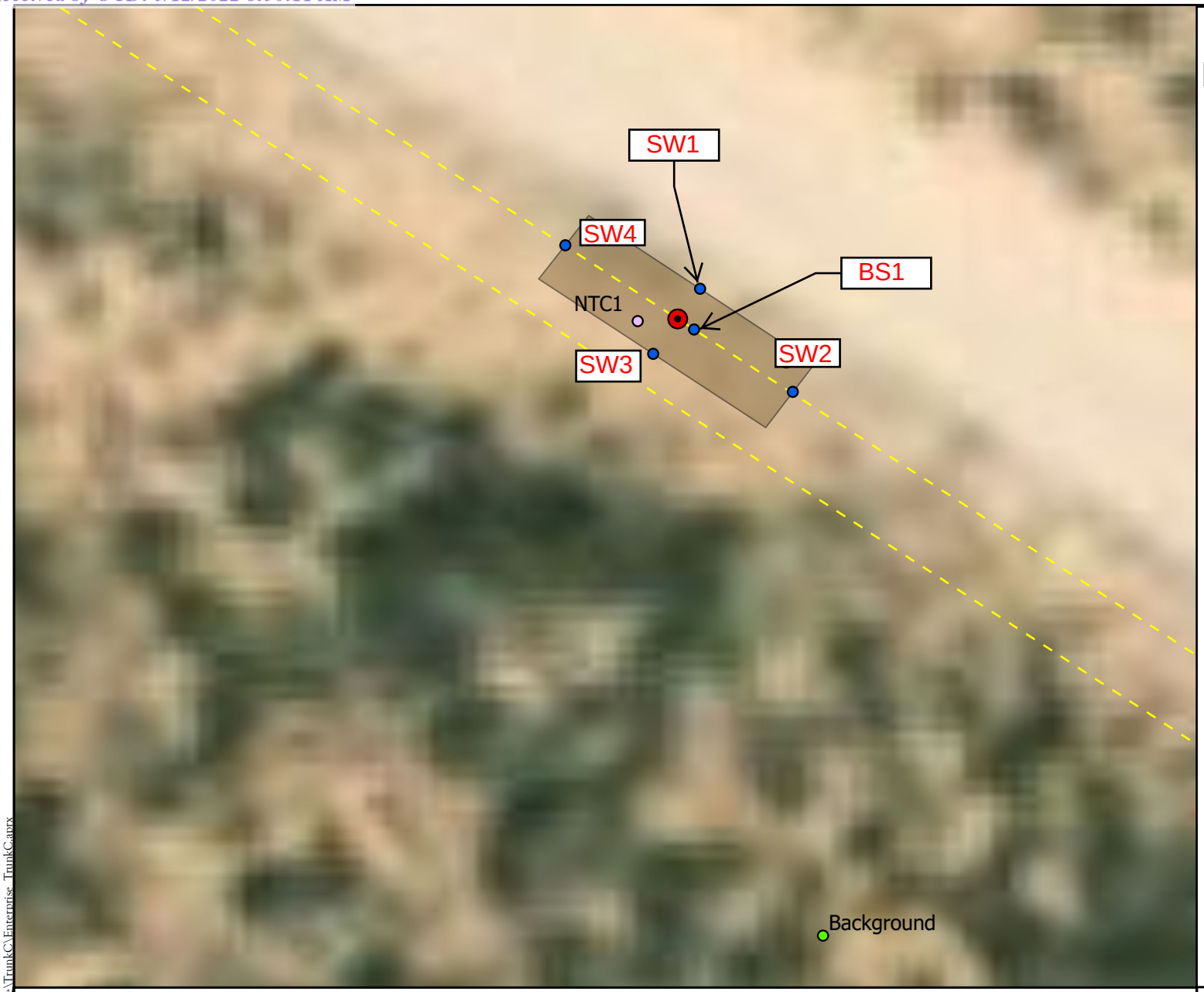

Legend

- Excavation Extent
- Pipeline

Samples

- background
- borehole
- soil sample
- Point of Release

N

0 8 16 32

Feet

Scale: 1:187

Point of Release Coordinates:
-103.971507W 32.221149N

Site and Sample Location Map
Trunk C - Enterprise Field Services, LLC
UL: G S: 15 T: 24S R: 29E, Eddy County, New Mexico

Figure 3

C:\Users\ks\Desktop\GIS\Enterprise\Trunk C\Enterprise_TrunkC.aprx
Date Saved: 5/8/2022

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

Drawn Sarahmay Schlea
Date 5/8/2022
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Legend

- Excavation Extent
- Pipeline

Samples

- background
- borehole
- soil sample
- Point of Release

N

0 8 16 32

Feet

Scale: 1:187

Site and Sample Location Map
Trunk C - Enterprise Field Services, LLC
UL: G S: 15 T: 24S R: 29E, Eddy County, New Mexico

Figure 3

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

Date Saved: 2/21/2022

Drawn Sarahmay Schlea
Date 3/23/2022
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C:\Users\ss\Desktop\Training Materials\testing GPS in GIS\Trunk C\MyProject\MyProject.aprx

TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services, LLC
Trunk C Pipeline

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	<50	NMOSE Water Well Data
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	>1/2	NMOSE Water Well Data
Hortizontal Distance to Nearest Significant Watercourse (ft)	3,626	USGS 7.5 quadrangle map

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

Table 3:
Sample Results

Enterprise Field Services, LLC
Trunk C Pipeline

Soil Borings										
Sample ID	Sample Date	Action Taken	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria				50	10				100	600
NTC1 @ 0	5/6/2022	In situ	0	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**132**
NTC1 @ 1		In situ	1	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**42.6**
NTC1 @ 2		In situ	2	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	<20.0
NTC1 @ 3		In situ	3	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	<20.0
NTC1 @ 4		In situ	4	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	<20.0
NTC1 @ 5		In situ	5	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	<20.0
NTC1 @ 6		In situ	6	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**28.3**
NTC1 @ 7		In situ	7	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	<20.0
NTC1 @ 8		In situ	8	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**23.6**
NTC1 @ 9		In situ	9	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**96.1**
NTC1 @ 10		In situ	10	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**255**
NTC1 @ 11		In situ	11	<0.0250	<0.100	<20.0	<25.0	<50	<95.0	**231**

Soil Borings										
Sample ID	Sample Date	Action Taken	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria				50	10				100	600
BH1	2/18/2022	In situ	surface	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	202
		In situ	2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	184
		In situ	4	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	680
BH2		In situ	surface	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	302
		In situ	2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	248
		In situ	4	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	577
BH3		In situ	surface	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	368
		In situ	2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	34.1
		In situ	4	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH4		In situ	surface	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	515
		In situ	2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	47.3
		In situ	4	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	22.2

Table 3:
Sample Results

Enterprise Field Services, LLC
Trunk C Pipeline

Sample ID	Sample Date	Action Taken	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria				50	10				100	600
BS1	9/17/2021	Excavated	8	<0.222	<0.025	<4.9	<10	<50	<64.9	**1200**
		Excavated	10	<0.219	<0.024	<4.9	<9.8	<49	<63.7	**760**
		In situ	11	<0.221	<0.025	<4.9	<9.8	<49	<53.9	<60
SW1		In situ	0-11	<0.210	<0.023	<4.7	<9.4	<47	<61.1	**210**
SW2		In situ	0-11	<0.212	<0.024	<4.7	<9.6	<48	<62.3	**130**
SW3		In situ	0-11	<0.215	<0.024	<4.8	<9.9	<49	<63.7	**130**
SW4		In situ	0-11	<0.215	<0.024	<4.8	<10	<50	<64.8	**65**
StockPile		In situ	--	**0.03**	**0.03**	**41**	<10	<50	**41**	**380**
Background		--	--	--	--	**--**	--	--	**--**	**<60**

APPENDIX A
FORM C141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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	NAPP2123824305
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhdunaway@eprod.com	Incident # *(assigned by OCD)*	nAPP2123824305
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.221149 Longitude -103.971509
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Trunk C (WMH-V4E)	Site Type Gathering Pipeline
Date Release Discovered 08/24/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
G	15	24S	29E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
☐ Natural Gas	Volume Released (Mcf) 430	Volume Recovered (Mcf) -0-
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2123824305
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R Dunaway Date: 9/7/21

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

OCD Only

Received by: Ramona Marcus Date: 9/12/2021

APPENDIX B
NMOSE WELLS REPORT

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04481 POD8		CUB	ED	1	3	4	03	24S	29E	596852	3567655	2244	125		
C 04481 POD7		CUB	ED	2	4	3	03	14S	29E	596800	3567655	2245	110		
C 04481 POD6		CUB	ED	2	4	3	03	24S	29E	596748	3567654	2248	120		
C 04481 POD4		CUB	ED	2	4	3	03	24S	29E	596747	3567685	2279	150		
C 04481 POD2		CUB	ED	1	3	4	03	24S	29E	596852	3567748	2336	120		
C 04481 POD5		CUB	ED	2	4	3	03	24S	29E	596747	3567747	2340	120		
C 04481 POD1		CUB	ED	1	3	4	03	24S	29E	596799	3567778	2368	135		
C 04481 POD3		CUB	ED	2	4	3	03	24S	29E	596799	3567778	2368	120		
C 00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	2412	220		
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	2412	220		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 596914.838 **Northing (Y):** 3565412.638 **Radius:** 2500

***UTM location was derived from PLSS - see Help**

APPENDIX C
SAMPLING PROTOCOL
&
FIELD NOTES

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

Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis. A total of nine (9) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

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

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

Field Screening

Location Name: Tank C

Date: 9/17/21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
Stockpile				—	—	3.8	
BS1				1.14	24.2	9.0	11' = 43.7 10' = 23.0
Sw1				.36	24.0	3.8	
Sw2				.23	23.9	9.1	
Sw3				.15	23.8	4.5	
Sw4				.20	23.8	4.0	
BG				.03	23.7°		

APPENDIX D

LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 30, 2021

Ashley Maxwell

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL:
FAX:

RE: Trunk C OrderNo.: 2109A97

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 9 sample(s) on 9/21/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BS1 - 8'
Project: Trunk C
Collection Date: 9/17/2021 8:20:00 AM
Lab ID: 2109A97-001 **Matrix:** SOIL
Received Date: 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1200	60		mg/Kg	20	9/25/2021 12:34:39 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2021 3:06:45 PM	62727
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/22/2021 3:06:45 PM	62727
Surr: DNOP	111	70-130		%Rec	1	9/22/2021 3:06:45 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/23/2021 1:33:00 AM	62715
Surr: BFB	92.4	70-130		%Rec	1	9/23/2021 1:33:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/23/2021 1:33:00 AM	62715
Toluene	ND	0.049		mg/Kg	1	9/23/2021 1:33:00 AM	62715
Ethylbenzene	ND	0.049		mg/Kg	1	9/23/2021 1:33:00 AM	62715
Xylenes, Total	ND	0.099		mg/Kg	1	9/23/2021 1:33:00 AM	62715
Surr: 4-Bromofluorobenzene	77.9	70-130		%Rec	1	9/23/2021 1:33:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BS1 - 10'
Project: Trunk C
Collection Date: 9/17/2021 8:25:00 AM
Lab ID: 2109A97-002 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	760	60		mg/Kg	20	9/25/2021 1:36:42 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/22/2021 3:30:45 PM	62727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2021 3:30:45 PM	62727
Surr: DNOP	99.6	70-130		%Rec	1	9/22/2021 3:30:45 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/23/2021 1:53:00 AM	62715
Surr: BFB	88.4	70-130		%Rec	1	9/23/2021 1:53:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/23/2021 1:53:00 AM	62715
Toluene	ND	0.049		mg/Kg	1	9/23/2021 1:53:00 AM	62715
Ethylbenzene	ND	0.049		mg/Kg	1	9/23/2021 1:53:00 AM	62715
Xylenes, Total	ND	0.097		mg/Kg	1	9/23/2021 1:53:00 AM	62715
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	9/23/2021 1:53:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BS1 - 11'
Project: Trunk C
Collection Date: 9/17/2021 8:30:00 AM
Lab ID: 2109A97-003 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/25/2021 2:13:57 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/22/2021 3:54:45 PM	62727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2021 3:54:45 PM	62727
Surr: DNOP	97.3	70-130		%Rec	1	9/22/2021 3:54:45 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/23/2021 2:12:00 AM	62715
Surr: BFB	92.7	70-130		%Rec	1	9/23/2021 2:12:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/23/2021 2:12:00 AM	62715
Toluene	ND	0.049		mg/Kg	1	9/23/2021 2:12:00 AM	62715
Ethylbenzene	ND	0.049		mg/Kg	1	9/23/2021 2:12:00 AM	62715
Xylenes, Total	ND	0.098		mg/Kg	1	9/23/2021 2:12:00 AM	62715
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	9/23/2021 2:12:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW1
Project: Trunk C
Collection Date: 9/17/2021 8:35:00 AM
Lab ID: 2109A97-004 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	210	60		mg/Kg	20	9/25/2021 2:26:22 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/22/2021 4:18:49 PM	62727
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/22/2021 4:18:49 PM	62727
Surr: DNOP	76.5	70-130		%Rec	1	9/22/2021 4:18:49 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/23/2021 2:32:00 AM	62715
Surr: BFB	100	70-130		%Rec	1	9/23/2021 2:32:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/23/2021 2:32:00 AM	62715
Toluene	ND	0.047		mg/Kg	1	9/23/2021 2:32:00 AM	62715
Ethylbenzene	ND	0.047		mg/Kg	1	9/23/2021 2:32:00 AM	62715
Xylenes, Total	ND	0.093		mg/Kg	1	9/23/2021 2:32:00 AM	62715
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	1	9/23/2021 2:32:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW2
Project: Trunk C
Collection Date: 9/17/2021 8:40:00 AM
Lab ID: 2109A97-005 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	130	60		mg/Kg	20	9/25/2021 2:38:46 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2021 4:42:52 PM	62727
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2021 4:42:52 PM	62727
Surr: DNOP	115	70-130		%Rec	1	9/22/2021 4:42:52 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/23/2021 2:52:00 AM	62715
Surr: BFB	90.7	70-130		%Rec	1	9/23/2021 2:52:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/23/2021 2:52:00 AM	62715
Toluene	ND	0.047		mg/Kg	1	9/23/2021 2:52:00 AM	62715
Ethylbenzene	ND	0.047		mg/Kg	1	9/23/2021 2:52:00 AM	62715
Xylenes, Total	ND	0.094		mg/Kg	1	9/23/2021 2:52:00 AM	62715
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	9/23/2021 2:52:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW3
Project: Trunk C
Collection Date: 9/17/2021 8:45:00 AM
Lab ID: 2109A97-006 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	130	59		mg/Kg	20	9/25/2021 2:51:11 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2021 12:36:31 PM	62727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2021 12:36:31 PM	62727
Surr: DNOP	87.0	70-130		%Rec	1	9/28/2021 12:36:31 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/23/2021 3:11:00 AM	62715
Surr: BFB	92.8	70-130		%Rec	1	9/23/2021 3:11:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/23/2021 3:11:00 AM	62715
Toluene	ND	0.048		mg/Kg	1	9/23/2021 3:11:00 AM	62715
Ethylbenzene	ND	0.048		mg/Kg	1	9/23/2021 3:11:00 AM	62715
Xylenes, Total	ND	0.095		mg/Kg	1	9/23/2021 3:11:00 AM	62715
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	9/23/2021 3:11:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW4
Project: Trunk C
Collection Date: 9/17/2021 8:50:00 AM
Lab ID: 2109A97-007 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	65	60		mg/Kg	20	9/25/2021 3:03:36 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2021 5:30:52 PM	62727
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/22/2021 5:30:52 PM	62727
Surr: DNOP	94.1	70-130		%Rec	1	9/22/2021 5:30:52 PM	62727
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/23/2021 3:31:00 AM	62715
Surr: BFB	98.1	70-130		%Rec	1	9/23/2021 3:31:00 AM	62715
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/23/2021 3:31:00 AM	62715
Toluene	ND	0.048		mg/Kg	1	9/23/2021 3:31:00 AM	62715
Ethylbenzene	ND	0.048		mg/Kg	1	9/23/2021 3:31:00 AM	62715
Xylenes, Total	ND	0.095		mg/Kg	1	9/23/2021 3:31:00 AM	62715
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	9/23/2021 3:31:00 AM	62715

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: Background
Project: Trunk C
Collection Date: 9/17/2021 8:55:00 AM
Lab ID: 2109A97-008 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/25/2021 3:16:01 AM	62820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2109A97**
Date Reported: **9/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: Stockpile
Project: Trunk C
Collection Date: 9/17/2021 9:00:00 AM
Lab ID: 2109A97-009 **Matrix:** SOIL **Received Date:** 9/21/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	380	60		mg/Kg	20	9/25/2021 3:28:26 AM	62820
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/23/2021 4:27:22 PM	62745
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/23/2021 4:27:22 PM	62745
Surr: DNOP	95.6	70-130		%Rec	1	9/23/2021 4:27:22 PM	62745
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	41	4.6		mg/Kg	1	9/23/2021 9:15:00 AM	62730
Surr: BFB	98.9	70-130		%Rec	1	9/23/2021 9:15:00 AM	62730
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	0.030	0.023		mg/Kg	1	9/23/2021 9:15:00 AM	62730
Toluene	ND	0.046		mg/Kg	1	9/23/2021 9:15:00 AM	62730
Ethylbenzene	ND	0.046		mg/Kg	1	9/23/2021 9:15:00 AM	62730
Xylenes, Total	ND	0.091		mg/Kg	1	9/23/2021 9:15:00 AM	62730
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	9/23/2021 9:15:00 AM	62730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**

30-Sep-21

Client: Souder, Miller & Associates

Project: Trunk C

Sample ID: **MB-62820**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **62820**	RunNo: **81564**
Prep Date: **9/24/2021**	Analysis Date: **9/24/2021**	SeqNo: **2882323** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62820**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **62820**	RunNo: **81564**
Prep Date: **9/24/2021**	Analysis Date: **9/24/2021**	SeqNo: **2882324** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**

30-Sep-21

Client: Souder, Miller & Associates

Project: Trunk C

Sample ID: **LCS-62736**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **62736**	RunNo: **81472**							
Prep Date: **9/22/2021**	Analysis Date: **9/22/2021**	SeqNo: **2878395**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.9	70	130			

Sample ID: **MB-62736**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **62736**	RunNo: **81472**							
Prep Date: **9/22/2021**	Analysis Date: **9/22/2021**	SeqNo: **2878420**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.8	70	130			

Sample ID: **MB-62727**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **62727**	RunNo: **81471**							
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2879933**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.1	70	130			

Sample ID: **LCS-62727**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **62727**	RunNo: **81471**							
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2879934**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	5.5		5.000		110	70	130			

Sample ID: **MB-62745**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **62745**	RunNo: **81517**							
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2881527**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.7	70	130			

Sample ID: **LCS-62745**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **62745**	RunNo: **81517**							
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2881536**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**

30-Sep-21

Client: Souder, Miller & Associates

Project: Trunk C

Sample ID: **LCS-62745**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62745**	RunNo: **81517**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2881536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	68.9	135			
Surr: DNOP	4.8		5.000		95.6	70	130			

Sample ID: **2109A97-009AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Stockpile**	Batch ID: **62745**	RunNo: **81517**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2881538** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.26	0	90.7	39.3	155			
Surr: DNOP	5.0		4.926		101	70	130			

Sample ID: **2109A97-009AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Stockpile**	Batch ID: **62745**	RunNo: **81517**
Prep Date: **9/22/2021**	Analysis Date: **9/23/2021**	SeqNo: **2881539** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.5	47.26	0	86.3	39.3	155	9.18	23.4	
Surr: DNOP	4.4		4.726		92.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**

30-Sep-21

Client: Souder, Miller & Associates

Project: Trunk C

Sample ID: **mb-62715**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62715**	RunNo: **81496**
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2878962** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: **lcs-62715**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62715**	RunNo: **81496**
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2878964** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1000		1000		102	70	130			

Sample ID: **mb-62730**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62730**	RunNo: **81528**
Prep Date: **9/21/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880424** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.5	70	130			

Sample ID: **lcs-62730**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62730**	RunNo: **81528**
Prep Date: **9/21/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880439** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	78.6	131			
Surr: BFB	1100		1000		106	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**
30-Sep-21

Client: Souder, Miller & Associates
Project: Trunk C

Sample ID: **mb-62715**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62715**	RunNo: **81496**
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2879015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: **lcs-62715**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62715**	RunNo: **81496**
Prep Date: **9/21/2021**	Analysis Date: **9/22/2021**	SeqNo: **2879017** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.91	0.050	1.000	0	90.9	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.9	70	130			

Sample ID: **mb-62730**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62730**	RunNo: **81528**
Prep Date: **9/21/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880619** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.78		1.000		78.3	70	130			

Sample ID: **lcs-62730**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62730**	RunNo: **81528**
Prep Date: **9/21/2021**	Analysis Date: **9/23/2021**	SeqNo: **2880630** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.0	80	120			
Toluene	0.92	0.050	1.000	0	91.8	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.3	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2109A97**
30-Sep-21

Client: Souder, Miller & Associates
Project: Trunk C

Sample ID: **2109A97-009ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Stockpile** Batch ID: **62730** RunNo: **81528**
Prep Date: **9/21/2021** Analysis Date: **9/23/2021** SeqNo: **2880640** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.023	0.9217	0.02954	83.9	80	120			
Toluene	0.83	0.046	0.9217	0	90.3	80	120			
Ethylbenzene	0.85	0.046	0.9217	0	92.0	80	120			
Xylenes, Total	2.6	0.092	2.765	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	0.71		0.9217		77.5	70	130			

Sample ID: **2109A97-009amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Stockpile** Batch ID: **62730** RunNo: **81528**
Prep Date: **9/21/2021** Analysis Date: **9/23/2021** SeqNo: **2880653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9747	0.02954	81.8	80	120	2.92	20	
Toluene	0.85	0.049	0.9747	0	87.2	80	120	2.15	20	
Ethylbenzene	0.87	0.049	0.9747	0	89.5	80	120	2.84	20	
Xylenes, Total	2.6	0.097	2.924	0	89.9	80	120	2.58	20	
Surr: 4-Bromofluorobenzene	0.75		0.9747		77.4	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Souder, Miller & Associates** Work Order Number: **2109A97** RcptNo: 1

Received By: **Cheyenne Cason** **9/21/2021 7:10:00 AM** Chal

Completed By: **Isaiah Ortiz** **9/21/2021 7:48:05 AM** I-Ox

Reviewed By: SPA 9.21.21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: KPA 9/21/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			

Chain-of-Custody Record

Client: SMA - Carlsbad

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 5 Days
☑ Standard ☐ Rush

Project Name: Trunk C

Project #:

Project Manager: Ashley Maxwell

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.2+0.1=3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2108A91	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/17/21	8:20	Soil	BS1 - 8'	4oz	cool	-1	X	X					X			
	8:25		BS1 - 10'			-2	X	X					X			
	8:30		BS1 - 11'			-3	X	X					X			
	8:35		SW1			-4	X	X					X			
	8:40		SW2			-5	X	X					X			
	8:45		SW3			-6	X	X					X			
	8:50		SW4			-7	X	X					X			
	8:55		Beckground			-8							X			
	9:00		Stockpile			-9	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					9/20/21	1200
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			Omc courier		9/21/21	0710

Remarks: Enterprise

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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:	Trunk C
Work Order:	E202114
Job Number:	97057-0001
Received:	2/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/25/22

Date Reported: 2/25/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Trunk C
Workorder: E202114
Date Received: 2/22/2022 11:15:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2022 11:15:00AM, under the Project Name: Trunk C.

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

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

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

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

Respectfully,

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Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/25/22 15:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH1 @ D	E202114-01A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH1 @ 2	E202114-02A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH1 @ 4	E202114-03A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH2 @ D	E202114-04A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH2 @ 2	E202114-05A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH2 @ 4	E202114-06A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH3 @ D	E202114-07A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH3 @ 4	E202114-08A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH4 @ 0	E202114-09A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH4 @ 2	E202114-10A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH4 @ 4	E202114-11A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.
BH3 @ 2	E202114-12A	Soil	02/18/22	02/22/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH1 @ D

E202114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**202**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH1 @ 2

E202114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/23/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/23/22	
Toluene	ND	0.0250	1	02/22/22	02/23/22	
o-Xylene	ND	0.0250	1	02/22/22	02/23/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/23/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/23/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/22/22*	*02/23/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*02/22/22*	*02/23/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**184**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH1 @ 4

E202114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**680**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH2 @ D

E202114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**302**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH2 @ 2

E202114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**248**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH2 @ 4

E202114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**577**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH3 @ D

E202114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**368**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH3 @ 4

E202114-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*120 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	ND	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH4 @ 0

E202114-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/24/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/24/22	
Toluene	ND	0.0250	1	02/22/22	02/24/22	
o-Xylene	ND	0.0250	1	02/22/22	02/24/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/24/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/24/22	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.7 %*	*70-130*	*02/22/22*	*02/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**515**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH4 @ 2

E202114-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/25/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/25/22	
Toluene	ND	0.0250	1	02/22/22	02/25/22	
o-Xylene	ND	0.0250	1	02/22/22	02/25/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/25/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**47.3**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH4 @ 4

E202114-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/25/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/25/22	
Toluene	ND	0.0250	1	02/22/22	02/25/22	
o-Xylene	ND	0.0250	1	02/22/22	02/25/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/25/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*118 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**22.2**	20.0	1	02/23/22	02/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

BH3 @ 2

E202114-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Benzene	ND	0.0250	1	02/22/22	02/25/22	
Ethylbenzene	ND	0.0250	1	02/22/22	02/25/22	
Toluene	ND	0.0250	1	02/22/22	02/25/22	
o-Xylene	ND	0.0250	1	02/22/22	02/25/22	
p,m-Xylene	ND	0.0500	1	02/22/22	02/25/22	
Total Xylenes	ND	0.0250	1	02/22/22	02/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2209011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/22	02/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*02/22/22*	*02/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2209014
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/22	02/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/22	02/24/22	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*02/22/22*	*02/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2209022
Chloride	**34.1**	20.0	1	02/23/22	02/23/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2209011-BLK1)									Prepared: 02/22/22 Analyzed: 02/23/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.3*	*70-130*			
LCS (2209011-BS1)									Prepared: 02/22/22 Analyzed: 02/24/22
Benzene	4.06	0.0250	5.00		81.2	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.3	70-130			
Toluene	4.31	0.0250	5.00		86.2	70-130			
o-Xylene	4.31	0.0250	5.00		86.3	70-130			
p,m-Xylene	8.56	0.0500	10.0		85.6	70-130			
Total Xylenes	12.9	0.0250	15.0		85.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2209011-MS1)				**Source: E202114-02**					Prepared: 02/22/22 Analyzed: 02/24/22
Benzene	4.25	0.0250	5.00	ND	85.1	54-133			
Ethylbenzene	4.38	0.0250	5.00	ND	87.7	61-133			
Toluene	4.50	0.0250	5.00	ND	89.9	61-130			
o-Xylene	4.50	0.0250	5.00	ND	90.1	63-131			
p,m-Xylene	8.88	0.0500	10.0	ND	88.8	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2209011-MSD1)				**Source: E202114-02**					Prepared: 02/22/22 Analyzed: 02/24/22
Benzene	4.34	0.0250	5.00	ND	86.7	54-133	1.91	20	
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	61-133	2.57	20	
Toluene	4.60	0.0250	5.00	ND	91.9	61-130	2.20	20	
o-Xylene	4.61	0.0250	5.00	ND	92.1	63-131	2.28	20	
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	63-131	2.84	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131	2.65	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.8*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2209011-BLK1)									Prepared: 02/22/22 Analyzed: 02/23/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.19*		*8.00*		*102*	*70-130*			
LCS (2209011-BS2)									Prepared: 02/22/22 Analyzed: 02/23/22
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.31*		*8.00*		*104*	*70-130*			
Matrix Spike (2209011-MS2)				**Source: E202114-02**					Prepared: 02/22/22 Analyzed: 02/23/22
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.09*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2209011-MSD2)				**Source: E202114-02**					Prepared: 02/22/22 Analyzed: 02/23/22
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	4.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.94*		*8.00*		*99.3*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2209014-BLK1)									Prepared: 02/22/22 Analyzed: 02/24/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			
LCS (2209014-BS1)									Prepared: 02/22/22 Analyzed: 02/24/22
Diesel Range Organics (C10-C28)	494	25.0	500		98.8	38-132			
Surrogate: n-Nonane	*33.8*		*50.0*		*67.6*	*50-200*			
Matrix Spike (2209014-MS1)				**Source: E202114-08**					Prepared: 02/22/22 Analyzed: 02/24/22
Diesel Range Organics (C10-C28)	493	25.0	500	ND	98.6	38-132			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.4*	*50-200*			
Matrix Spike Dup (2209014-MSD1)				**Source: E202114-08**					Prepared: 02/22/22 Analyzed: 02/24/22
Diesel Range Organics (C10-C28)	501	25.0	500	ND	100	38-132	1.51	20	
Surrogate: n-Nonane	*32.0*		*50.0*		*63.9*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2022 3:29:26PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2209022-BLK1)									Prepared: 02/23/22 Analyzed: 02/23/22
Chloride	ND	20.0							
LCS (2209022-BS1)									Prepared: 02/23/22 Analyzed: 02/23/22
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2209022-MS1)				**Source: E202059-01**					Prepared: 02/23/22 Analyzed: 02/23/22
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2209022-MSD1)				**Source: E202059-01**					Prepared: 02/23/22 Analyzed: 02/23/22
Chloride	258	20.0	250	ND	103	80-120	0.0466	20	

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

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Trunk C	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/25/22 15:29

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

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

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

Project Information | Chain of Custody | Page 1 of 2

STD

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

Bill To

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

Lab Use Only

Lab WO#	Job Number
PE202114	97057-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1253	2/18/22	Soil	1	BH1@0	1									X				
1256			1	BH1@2	2													
1315			1	BH1@4	3													
1258			1	BH2@0	4													
1302			1	BH2@2	5													
1305			1	BH2@4	6													
1308			1	BH3@0	7													
1320			1	BH3@4	8													
1320			1	BH4@0	9													
1322	↓	↓	1	BH4@2	10									↓				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/21	0400	[signature]	2.21.22	900
[signature]	2.21.22	1130	Courtney Christian	2/22/22	11:15

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

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

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

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

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

Project Information | Chain of Custody | Page 2 of 2

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

Bill To

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

Lab Use Only

Lab WO#	Job Number
PE202114	97057-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1327	2/18/22	Soil	1	BH 4 @ 4	11									X				
1324	↓	Soil	1	BH 3 @ 2	12									X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/21	0900		2.21.22	900
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.21.22	1130	Caitlin Chunta	2/22/22	11:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/22/2022 2:15:52PM

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:	02/22/22 11:15	Work Order ID:	E202114
Phone:	(505) 325-7535	Date Logged In:	02/21/22 10:29	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	02/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

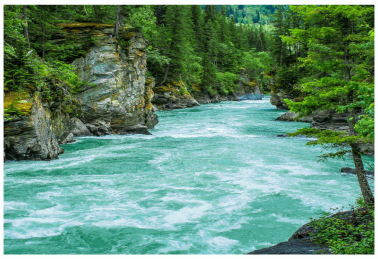
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Trunk C N

Work Order: E205032

Job Number: 97057-0001

Received: 5/7/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/10/22

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

Date Reported: 5/10/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Trunk C N
Workorder: E205032
Date Received: 5/7/2022 10:00:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2022 10:00:00AM, under the Project Name: Trunk C N.

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

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

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

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

Respectfully,

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

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

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

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Southern New Mexico Area
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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	05/10/22 12:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NTC1 @ 0'	E205032-01A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 1'	E205032-02A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 2'	E205032-03A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 3'	E205032-04A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 4'	E205032-05A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 5'	E205032-06A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 6'	E205032-07A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 7'	E205032-08A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 8'	E205032-09A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 9'	E205032-10A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 10'	E205032-11A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.
NTC1 @ 11'	E205032-12A	Soil	05/06/22	05/07/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 0'

E205032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**132**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 1'

E205032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**42.6**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 2'

E205032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	ND	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 3'

E205032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	ND	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 4'

E205032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	ND	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 5'

E205032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/09/22	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*05/09/22*	*05/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	ND	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 6'

E205032-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**28.3**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 7'

E205032-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	ND	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 8'

E205032-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**23.6**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 9'

E205032-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**96.1**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 10'

E205032-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**255**	20.0	1	05/09/22	05/09/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

NTC1 @ 11'

E205032-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Benzene	ND	0.0250	1	05/09/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/09/22	05/09/22	
Toluene	ND	0.0250	1	05/09/22	05/09/22	
o-Xylene	ND	0.0250	1	05/09/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/09/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/09/22	05/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/22	05/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/09/22*	*05/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220005
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*05/09/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220006
Chloride	**231**	20.0	1	05/09/22	05/09/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220004-BLK1)									Prepared: 05/09/22 Analyzed: 05/09/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*8.00*		*105*	*70-130*			
LCS (2220004-BS1)									Prepared: 05/09/22 Analyzed: 05/09/22
Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.61*		*8.00*		*108*	*70-130*			
LCS Dup (2220004-BSD1)									Prepared: 05/09/22 Analyzed: 05/09/22
Benzene	5.41	0.0250	5.00		108	70-130	0.433	20	
Ethylbenzene	5.01	0.0250	5.00		100	70-130	0.262	20	
Toluene	5.27	0.0250	5.00		105	70-130	0.245	20	
o-Xylene	5.22	0.0250	5.00		104	70-130	0.131	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	0.213	20	
Total Xylenes	15.6	0.0250	15.0		104	70-130	0.186	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.45*		*8.00*		*106*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220004-BLK1)									Prepared: 05/09/22 Analyzed: 05/09/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2220004-BS2)									Prepared: 05/09/22 Analyzed: 05/09/22
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			
LCS Dup (2220004-BSD2)									Prepared: 05/09/22 Analyzed: 05/09/22
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	2.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220005-BLK1)									Prepared: 05/09/22 Analyzed: 05/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.8*		*50.0*		*83.7*	*50-200*			
LCS (2220005-BS1)									Prepared: 05/09/22 Analyzed: 05/09/22
Diesel Range Organics (C10-C28)	422	25.0	500		84.4	38-132			
Surrogate: n-Nonane	*45.1*		*50.0*		*90.1*	*50-200*			
Matrix Spike (2220005-MS1)				**Source: E205032-12**					Prepared: 05/09/22 Analyzed: 05/09/22
Diesel Range Organics (C10-C28)	442	25.0	500	ND	88.5	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.3*	*50-200*			
Matrix Spike Dup (2220005-MSD1)				**Source: E205032-12**					Prepared: 05/09/22 Analyzed: 05/09/22
Diesel Range Organics (C10-C28)	460	25.0	500	ND	91.9	38-132	3.81	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.7*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	5/10/2022 12:39:33PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220006-BLK1)									Prepared: 05/09/22 Analyzed: 05/09/22
Chloride	ND	20.0							
LCS (2220006-BS1)									Prepared: 05/09/22 Analyzed: 05/09/22
Chloride	242	20.0	250		96.8	90-110			
LCS Dup (2220006-BSD1)									Prepared: 05/09/22 Analyzed: 05/09/22
Chloride	238	20.0	250		95.1	90-110	1.79	20	

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

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Trunk C N	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	05/10/22 12:39

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

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

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

Project Information | Chain of Custody | Page 1 of 2

2 5 day
05/9/22

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project: Trunk C N	Attention: Enterprise	Lab WO# E205032	Job Number 97057-0001
Project Manager: Ashley Maxwell	Address:	1D 3D	RCRA CWA SDWA
Address:	City, State, Zip		
City, State, Zip	Phone:		
Phone:	Email:		
Email:			
Report due by:			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
0917	5/6	soil	1	NTC1 @ 0'	1									X				
0918	5/6	soil	1	NTC1 @ 1'	2									X				
0919	5/6	soil	1	NTC1 @ 2'	3									X				
0920	5/6	soil	1	NTC1 @ 3'	4									X				
0921	5/6	soil	1	NTC1 @ 4'	5									X				
0922	5/6	soil	1	NTC1 @ 5'	6									X				
0928	5/6	soil	1	NTC1 @ 6'	7									X				
0929	5/6	soil	1	NTC1 @ 7'	8									X				
0931	5/6	soil	1	NTC1 @ 8'	9									X				
0933	5/6	soil	1	NTC1 @ 9'	10									X				

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

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/6/22			5.6.22	1240
	5.6.22	1730		5/7/22	1000

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

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

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

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Project Information | Chain of Custody | Page 2 of 2

2 5day DUE 5/9/22

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

Bill To

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

Lab Use Only: Lab WO# PE2050329705 7-0001 | Job Number

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
0935	5/6	Soil	1	NTC 1 @ 10'	11									X				
0937	5/6	Soil	1	NTC 1 @ 11'	12									X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/6/22			5.6.22	1240
	5.6.22	1730		5/7/22	1000

Lab Use Only

Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 5/9/2022 10:04:18AM

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:	05/07/22 10:00	Work Order ID:	E205032
Phone:	(505) 325-7535	Date Logged In:	05/06/22 16:30	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	05/13/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX E
PHOTO LOG


Link-Belt

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 106275
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2123824305 TRUNK C (WMH - V4E), thank you. This closure is approved.	8/25/2022