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

October 16, 2020

#5E29133-BG33

NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

SUBJECT: Remediation Closure Report for the Checkers 24 Federal #001 Release (1RP-1577), Lea County, New Mexico

To Whom it May Concern:

On behalf of Devon Energy, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Checkers 24 Federal #001 site. The site is in Unit J, Section 24, Township 22S, Range 32E, Lea County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Checkers 24 Federal #001	Company	Devon Energy
API Number	30-025-32945	Location	32.3754578, -103.6262817
Tracking Number	1RP-1577		
Estimated Date of Release	8/19/2007	Date Reported to NMOCD	8/19/2007
Land Owner	Federal	Reported To	NMOCD, BLM
Source of Release	Corroded man-way on water tank resulted in fluid release.		
Released Volume	130 BBLS	Released Material	Produced Water
Recovered Volume	125 BBLS	Net Release	5 BBLS
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	8/12/2020, 9/11/2020		

1.0 Background

On August 19, 2007, a release was discovered at the Checkers 24 Federal #001 site due to a corroded man-way on the water tank. Initial response activities were conducted by the operator, and included source elimination and site containment activities, which recovered approximately 125 barrels of produced water of the 130 barrels released. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The Checkers 24 Federal #001 is an active production facility located approximately 28 miles west of Eunice, New Mexico on Federal land at an elevation of approximately 3722 feet above mean sea level (amsl).

Depth to Groundwater
Based upon OSE well data (Appendix B), depth to groundwater in the area is estimated to be 350 feet below grade surface (bgs).

Wellhead Protection Area
There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

Distance to Nearest Significant Watercourse
The nearest significant watercourse is an unnamed stream, located approximately 6576 feet to the north.

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

Based on the lack of supportable groundwater data, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

3.0 Release Characterization and Remediation Activities

On August 12, 2020, SMA personnel performed site delineation activities at the Checkers 24 Federal #001 site. SMA collected soil samples around the release site. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp.

A total of ten (10) sample locations (L1–L6 & SW1–SW4) were investigated using a hand-auger from surface level to depths of 3 feet bgs. A total of nineteen (19) 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.

On September 10 and September 11, 2020, SMA returned to the site to guide the excavation of contaminated soil. Excavation was limited due to the presence of operating tanks and pipelines in the center and east side of the tank battery. SMA guided the excavation activities by collecting soil samples for field screening and were screened using the methods above. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on September 9, 2020 that closure samples were expected to be collected in two (2) business days.

On September 11, 2020, SMA conducted confirmation sampling of the walls and base of the excavation, which measured approximately 15 feet by 50 feet by 1 foot around the location of sample points L3 and L4. The area around samples L5 and L6 was excavated to an area of 270 square feet by 2 foot bgs.

Confirmation samples were comprised of five-point composites of the base (CS1 – CS4) and walls (SW1 – SW7).

A total of eleven (11) 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 Envirotech Analysis Laboratory in Farmington, New Mexico (Appendix D).

Figure(s) 3 shows the extent of the final excavation and closure sample locations. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

4.0 Site Recommendations

As demonstrated in Table 3, closure samples at locations (CS1-CS4 & SW1-SW4) meet the Closure Criteria of Table I of 19.15.29.12 NMAC. A deferral is requested for the central and eastern portion of the release area, represented by initial samples SW2, L1, L2, and closure sample locations SW5 – SW7, due to proximity to storage tanks, where remediation activities would compromise the integrity of the equipment. As required, and demonstrated on Table 3 and Figure 3, the deferred area has been fully delineated and does not pose an imminent risk to human health, the environment, or groundwater.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at Northern Delaware Basin Landfill near Jal, NM, an NMOCD permitted disposal facility.

SMA requests a deferral for remediation in the area of locations (SW2, SW5-SW7 & L1-L2) for Incident Number 1RP-1577.

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 at 505-320-9241 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

Ashley Maxwell
Project Manager

Shawna Chubbuck
Senior Scientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed Click or tap to enter a date.

ATTACHMENTS:

Figures:

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

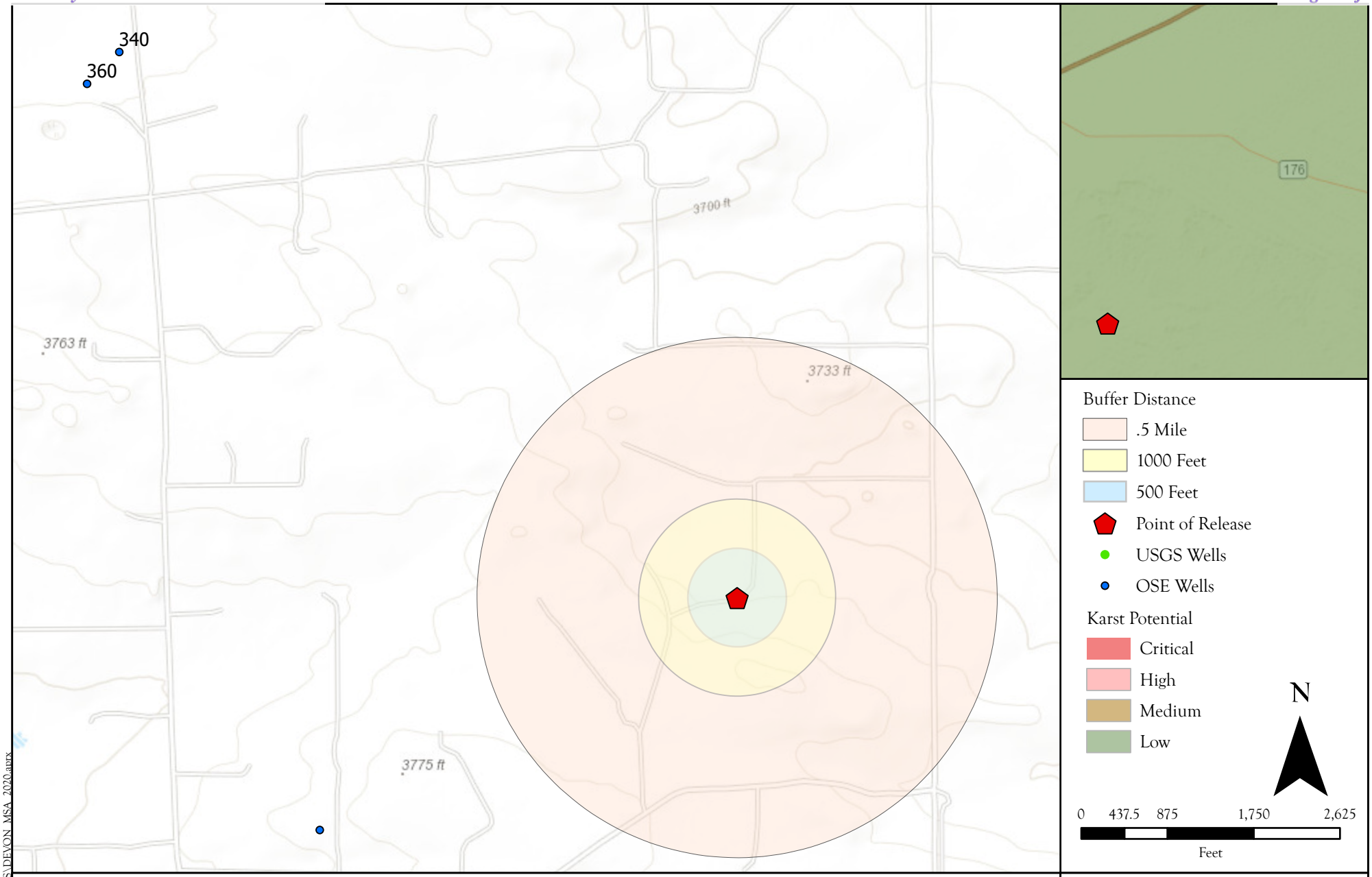
Tables:

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

Appendices:

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

FIGURES



Site Map

Checkers 24 Federal #001 - Devon Energy

32.3754578, -103.6262817, PLSS: J-24-22S-32E, Lea County, New Mexico

Figure 1

P:\5-Devon MSA 2020 (5E29133)\GIS\DEVON_MSA_2020.mxd
Date Saved: 10/6/2020

Revisions

By:_____ Date:_____ Descr:_____

By:_____ Date:_____ Descr:_____

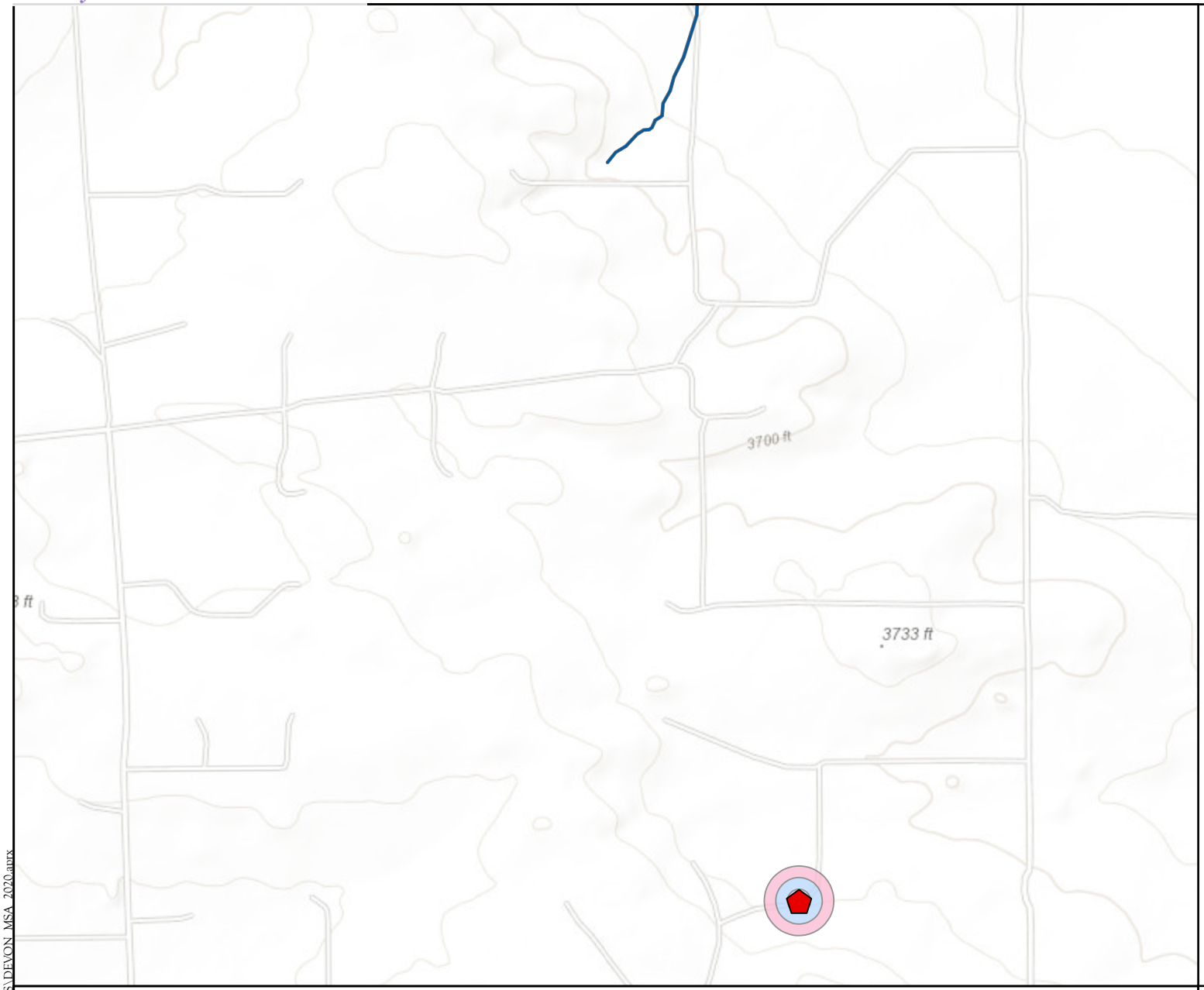
Drawn P.R. Smith

Date 10/8/2020

Checked

Approved

201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains



Buffer Distance
- 300 Feet
- 200 Feet
- 100 Feet
- Springs & Seeps
- Streams & Canals
- Rivers
- Flowlines SENM
- NM Wetlands
- Lakes & Playas
- FEMA Flood Zones 2011
- Point of Release

N

0 420 840 1,680 2,520

Feet

Surface Water Protection Map
Checkers 24 Federal #001 - Devon Energy
32.3754578, -103.6262817, PLSS: J-24-22S-32E, Lea County, New Mexico

Figure 2

P:\5-Devon MSA 2020 (5E29133)\GIS\DEVON_MSA_2020.aprx
Date Saved: 10/8/2020

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

Drawn P.R. Smith
Date 10/8/2020
Checked
Approved

201 South Halaguena Street
Carlsbad, New Mexico 88221
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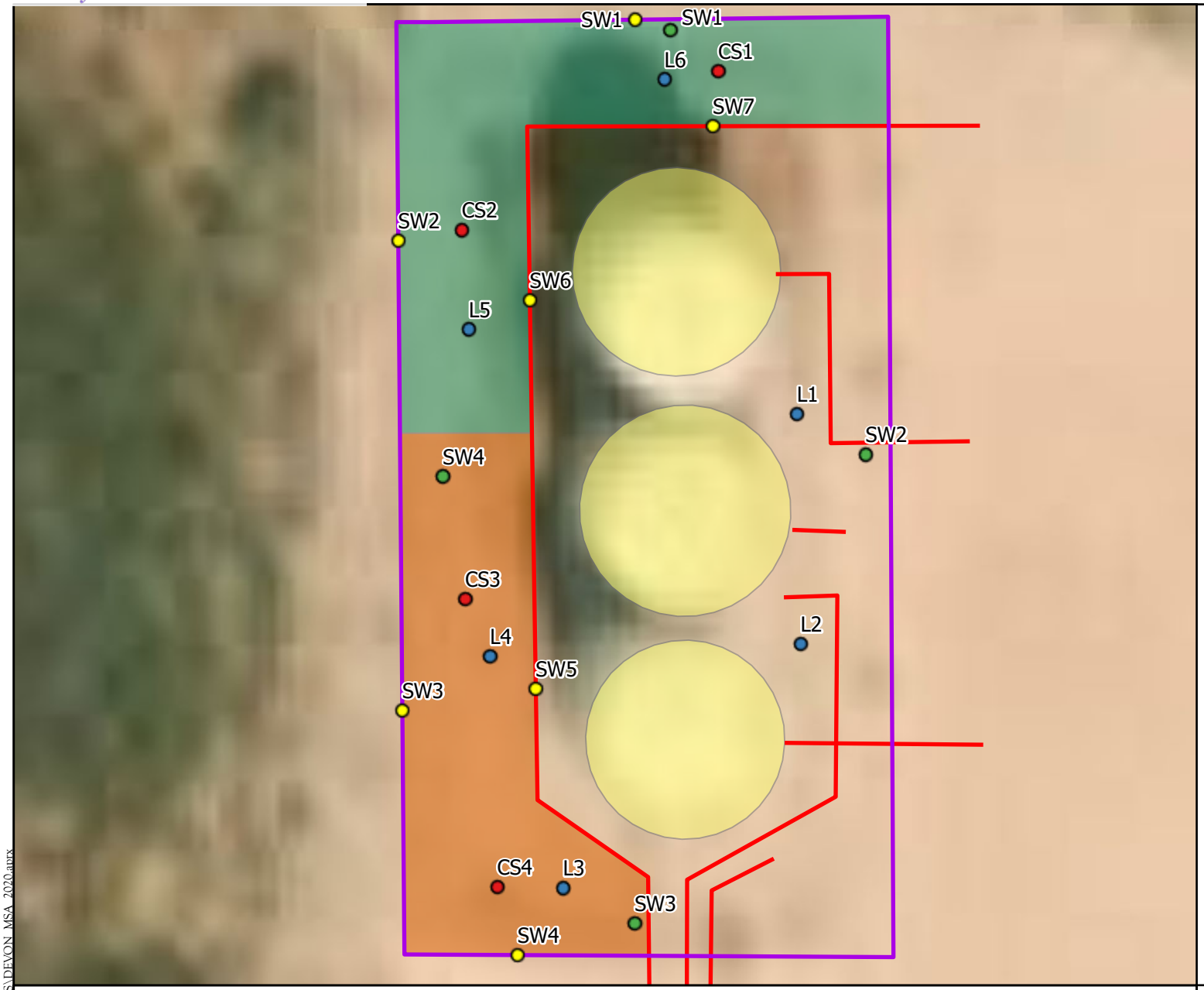

Pipelines
Berm
2' Excavation
1' Excavation
Equipment

Sample Points

Closure Sample
Side Wall Samples
Initial Soil Sample
Closure Side Wall Sample

N

0 4.75 9.5 19 28.5

Feet

Site and Sample Location Map
Checkers 24 Federal #001- Devon Energy
32.3754578, -103.6262817 Lea County, New Mexico

Figure 3

P:\5-Devon MSA 2020 (5F29133)\GIS\DEVON_MSA_2020.mxd
Date Saved: 10/9/2020

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

Drawn Sebastian Orozco
Date 10/13/2020
Checked
Approved

SMA

201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689.7040
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TABLES

Table 2:
NMOCD Closure Criteria

Devon Energy Production Company
Checkers 24 Federal #001

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	350	Office of the State Engineer (OSE)
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA	Office of the State Engineer (OSE)
Hortizontal Distance to Nearest Significant Watercourse (ft)	6,576	USGS & OSE

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					

SMA #

Table 3:
Sample Results

Devon Energy
Checkers 24 Federal #001

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Reclamation Requirement (0-4 ft)				50	10	--	--	--	100	600
NMOCD Closure Criteria (>4 ft)				50	10					
L1	8/12/2020	Surface	Excavated	<0.10	<0.0250	<20.0	14,100	6,650	20750	39
		1	Excavated	<0.10	<0.0250	<20.0	447	288	735	<20.0
		3	In-situ	<0.10	<0.0250	<20.0	35.7	<50.0	35.7	<20.0
L2		Surface	Excavated	<0.10	<0.0250	<20.0	891	843	1734	<20.0
		1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
L3		Surface	Excavated	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	13,500
		1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	502
		3	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	705
L4		Surface	Excavated	<0.10	<0.0250	<20.0	519	518	1037	<20.0
		1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
L5		Surface	Excavated	<0.10	<0.0250	<20.0	16,900	6,710	23,610	61.8
		1	Excavated	<0.10	<0.0250	<20.0	128	57.6	185.6	<20.0
L6		Surface	Excavated	<0.10	<0.0250	<20.0	21,400	8,270	29,670	<20.0
		1	Excavated	0.111	<0.0250	<20.0	851	441	1292	<20.0
		3	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW1		Surface	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2		Surface	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3		Surface	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4		Surface	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Closure Samples										
CS1	9/11/2020	2	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS2		2	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS3		1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS4		1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW1		0-2	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2		0-2	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3		0-1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4		0-1	In-situ	<0.10	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW5		0-1	Deffermation	<0.10	<0.0250	<20.0	66.4	55.1	121.5	270
SW6		0-2	Deffermation	<0.10	<0.0250	<20.0	124	77	201	<20.0
SW7		0-2	Deffermation	<0.10	<0.0250	<20.0	469	189	658	<20.0

"--" = Not Analyzed
BG: Background sample

SMA #

APPENDIX A
FORM C141

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, 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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company,LP	Contact Jerry Mathews
Address P. O. Box 250, Artesia, NM 88210	Telephone No.☐(505)748-5234
Facility Name Checkers 24 Fed# #1	Facility Type☐ Tank Battery

Surface Owner FED - BLM	Mineral Owner	Lease No.☐ ~~NMNM-81633~~

30.025.~~32849~~ 32985

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	24	22S	32E	1980	South	1980'	East	Lea County, NM

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 130 bbls.	Volume Recovered☐ 125 bbls
Source of Release Rusted man way on steel tank	Date and Hour of Occurrence 8/19/2007	Date and Hour of Discovery☐8/19/2007 3 35pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? GARY WINK	
By Whom? ☒ Angel Orosco	Date and Hour☒ 3:35 PM 8/19/2007	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Man way rusted out on steel water tank causing water to spill out into containment dike. Having a new plate made, coat and inspect tank before installing plate.

Describe Area Affected and Cleanup Action Taken.*

Produced water was contained in dike on location. Called vacuum truck out to pick up produced water. Picked up 125 bbls. 5 bbls absorbed into gravel on location.

NEED CHLORIDE CONTENT OF WTR SPILLED ON ALL REPORTS.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Jerry Mathews	OIL CONSERVATION DIVISION
Printed Name: Jerry Mathews	Approved by☐District Supervisor: ENVIRONMENTAL ENGINEER
Title: Production Foreman	Approval Date: 9.17.07 Expiration Date: 11.16.07
Date: August 22, 2007 Phone: (505)748-5234	Conditions of Approval: COMPLETE BY Attached ☐

RP#1577

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-1577
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	350 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-1577
Facility ID	
Application ID	

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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 10/19/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-1577
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 10/19/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☑ Deferral Approved

Signature: Brittany Hall Date: 01/13/2023

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-1577
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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 10/19/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

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: CLOSURE DENIED Date: _____

Printed Name: _____ Title: _____

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02821		C	LE	2	2	3	14	22S	32E	627303	3584563*	2555	540	340	200
C 02096		CUB	ED		2	3	14	22S	32E	627204	3584464*	2568	435	360	75

Average Depth to Water: **350 feet**

Minimum Depth: **340 feet**

Maximum Depth: **360 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 629228.79 **Northing (Y):** 3582883.25 **Radius:** 2600

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

8/20/20 3:05 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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 Envirotech Analytical Laboratory in Farmington, New Mexico for analysis. A total of eleven (11) 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

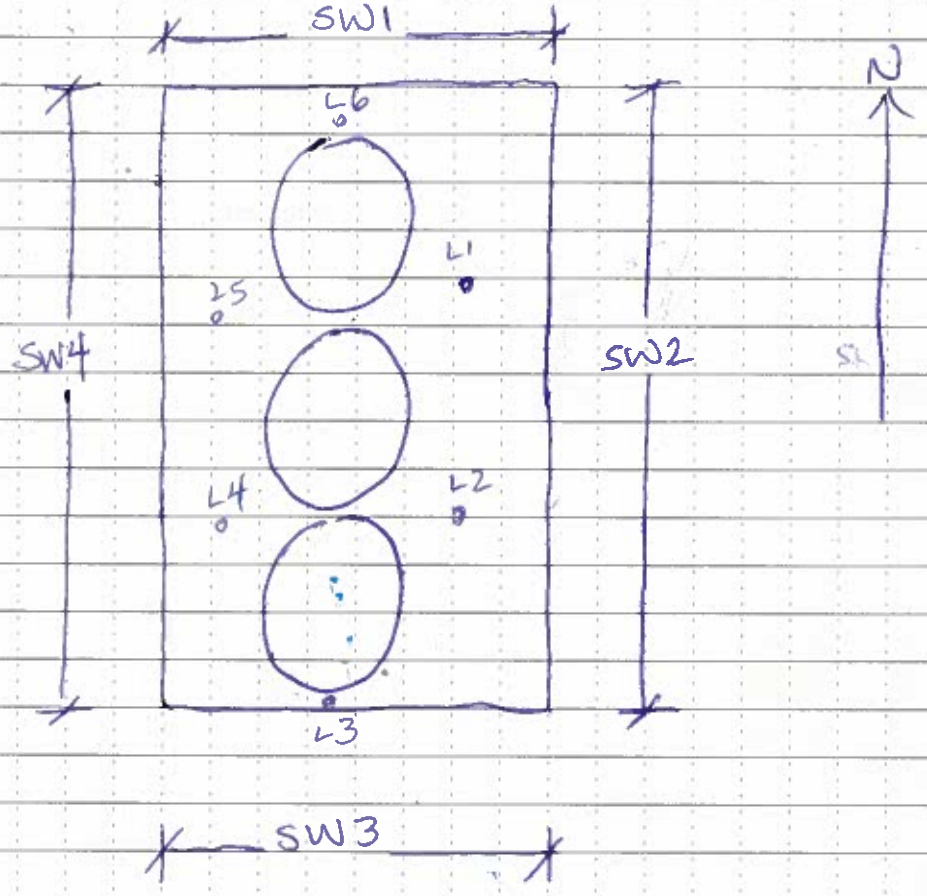
A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded 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.

...01 - Devon Energy (32.37545, -103.6262817) 9/18/2020

11:00 am Arrived on location, began soil sampling & delineation activities. A total of ten (10) soil locations were examined, four side wall (SW1 - SW4) and six (6) base samples (S1-L6). All samples were analyzed for Chlorides and TPH using a PID & EC meter.

- Tank Battery is located on the North Western portion of the well pad. Noticeable staining was observed along the right hand side of the Northernmost storage tank, indicating a spill had most likely occured within the last few months. Spill/ point of release for this unexpected spill seemed to come from the top of the storage tank, spilling downwards into the containment. A similar spill was observed on the southernmost storage tank (same description).



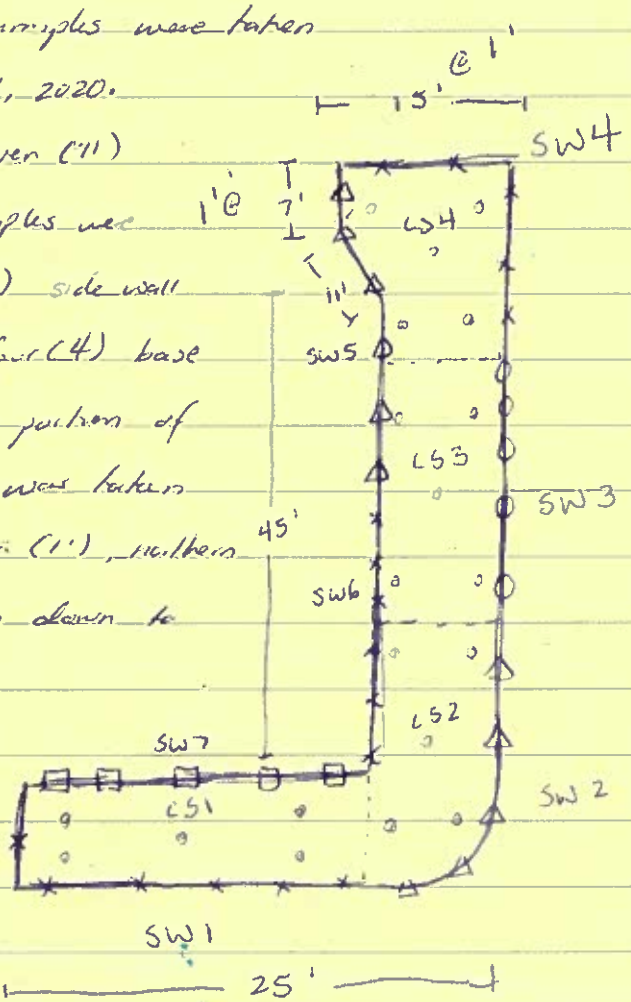
Rite in the Rain

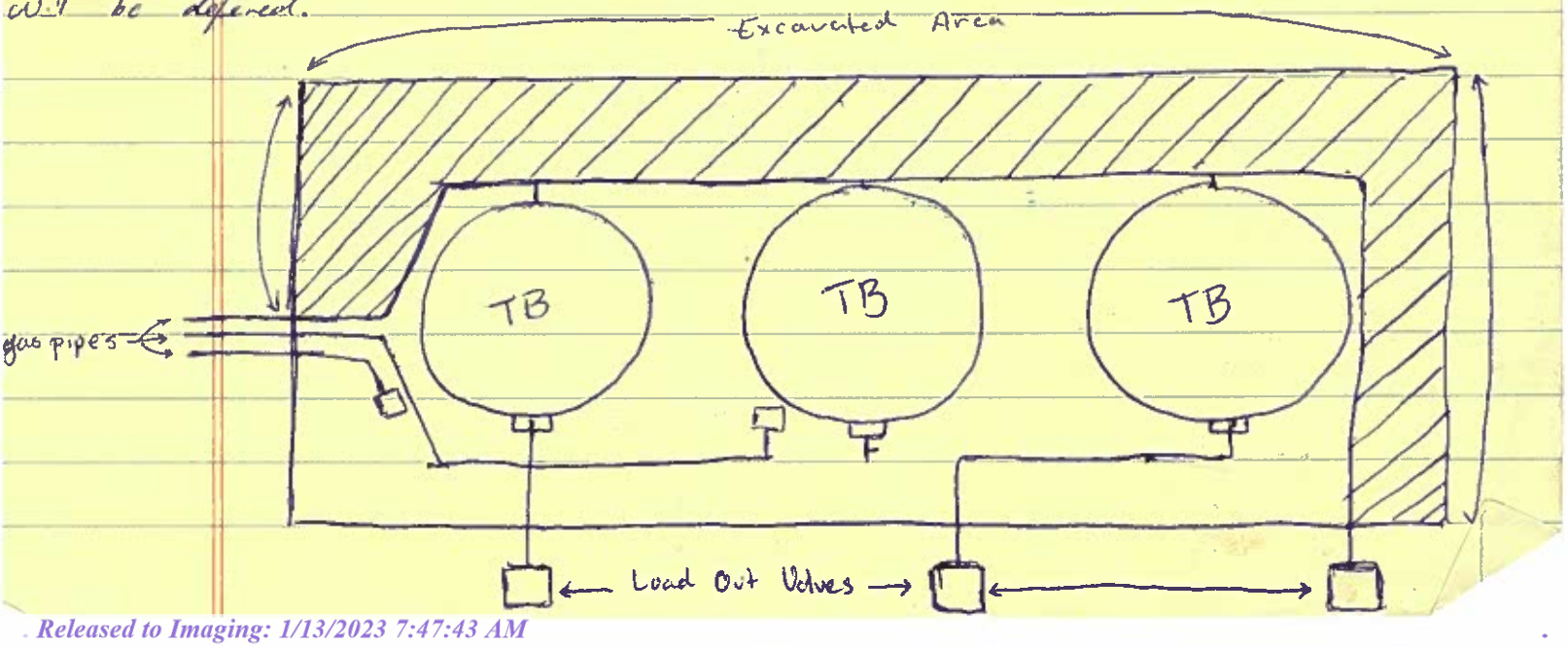
Checkers 24 Excavation (09/11 - 09/10)

- Work began September 10, 2020, confirmation samples were taken on September 11, 2020.

A total of eleven (11) confirmation samples were agreed. Seven (7) side wall samples and four (4) base samples. Southern portion of the excavation was taken down to one foot (1'), northern portion was taken down to two (2) feet.

- Soil consisted of soft red sand with a few areas where caliche was present. Area in between tank battery was manually scrapped a few inches, area will be referred.





APPENDIX D

LABORATORY ANALYTICAL REPORTS

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Souder Miller & Associates

Samples Received: 8/14/2020

Job Number: 01058-0007

Work Order: P008045

Project Name/Location: Checkers 24 #1

Report Reviewed By: _____ Date: 8/19/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

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

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
L1-Surface	P008045-01A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L1-1'	P008045-02A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L1-3'	P008045-03A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L2-Surface	P008045-04A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L2-1'	P008045-05A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L3-Surface	P008045-06A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L3-1'	P008045-07A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L3-3'	P008045-08A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L4-Surface	P008045-09A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L4-1'	P008045-10A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L5-Surface	P008045-11A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L5-1'	P008045-12A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L6-Surface	P008045-13A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L6-1'	P008045-14A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
L6-3'	P008045-15A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
SW1	P008045-16A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
SW2	P008045-17A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
SW3	P008045-18A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.
SW4	P008045-19A	Soil	08/12/20	08/14/20	Glass Jar, 4 oz.

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L1-Surface
P008045-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**14100**	250	10	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	**6650**	500	10	08/17/20	08/17/20		
Surrogate: n-Nonane		*122 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	**39.0**	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L1-1'
P008045-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**447**	50.0	2	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	**288**	100	2	08/17/20	08/18/20		
Surrogate: n-Nonane		*114 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L1-3'
P008045-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID	*98.6 %*	*50-150*		*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*91.5 %*	*50-150*		*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**35.7**	25.0	1	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/17/20		
Surrogate: n-Nonane	*94.0 %*	*50-200*		*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L2-Surface
P008045-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**891**	125	5	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	**843**	250	5	08/17/20	08/17/20		
Surrogate: n-Nonane		*118 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L2-1'
P008045-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/17/20		
Surrogate: n-Nonane		*92.7 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L3-Surface
P008045-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/17/20		
Surrogate: n-Nonane		*102 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	**13500**	100	5	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L3-1'
P008045-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID	*97.9 %*	*50-150*		*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*91.4 %*	*50-150*		*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/17/20		
Surrogate: n-Nonane	*101 %*	*50-200*		*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	**502**	20.0	1	08/14/20	08/17/20		

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L3-3'
P008045-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/17/20		
Toluene	ND	0.0250	1	08/14/20	08/17/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/17/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/17/20		
o-Xylene	ND	0.0250	1	08/14/20	08/17/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/17/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/17/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*50-150*	*08/14/20*	*08/17/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/17/20		
Surrogate: n-Nonane		*104 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	**705**	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L4-Surface
P008045-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**519**	125	5	08/17/20	08/17/20		
Oil Range Organics (C28-C40)	**518**	250	5	08/17/20	08/17/20		
Surrogate: n-Nonane		*117 %*	*50-200*	*08/17/20*	*08/17/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L4-1'
P008045-10 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*102 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L5-Surface
P008045-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**16900**	250	10	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	**6710**	500	10	08/17/20	08/18/20		
Surrogate: n-Nonane		*112 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	**61.8**	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L5-1'
P008045-12 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**128**	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	**57.6**	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*86.2 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L6-Surface
P008045-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**21400**	500	20	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	**8270**	1000	20	08/17/20	08/18/20		
Surrogate: n-Nonane		*115 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L6-1'
P008045-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	**0.0571**	0.0500	1	08/14/20	08/18/20		
o-Xylene	**0.0537**	0.0250	1	08/14/20	08/18/20		
Total Xylenes	**0.111**	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	**851**	125	5	08/17/20	08/19/20		
Oil Range Organics (C28-C40)	**441**	250	5	08/17/20	08/19/20		
Surrogate: n-Nonane		*115 %*	*50-200*	*08/17/20*	*08/19/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

L6-3'
P008045-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*74.5 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

SW1
P008045-16 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*85.5 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

SW2
P008045-17 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*89.1 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

SW3
P008045-18 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*98.4 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

SW4
P008045-19 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2033042
Benzene	ND	0.0250	1	08/14/20	08/18/20		
Toluene	ND	0.0250	1	08/14/20	08/18/20		
Ethylbenzene	ND	0.0250	1	08/14/20	08/18/20		
p,m-Xylene	ND	0.0500	1	08/14/20	08/18/20		
o-Xylene	ND	0.0250	1	08/14/20	08/18/20		
Total Xylenes	ND	0.0250	1	08/14/20	08/18/20		
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2033042
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/20	08/18/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*50-150*	*08/14/20*	*08/18/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2034001
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/20	08/18/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/17/20	08/18/20		
Surrogate: n-Nonane		*107 %*	*50-200*	*08/17/20*	*08/18/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2033045
Chloride	ND	20.0	1	08/14/20	08/17/20		

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2033042-BLK1)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*50-150*			
LCS (2033042-BS1)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Benzene	4.75	0.0250	5.00		94.9	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*50-150*			
Matrix Spike (2033042-MS1)				**Source: P008045-01**					Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Benzene	4.87	0.0250	5.00	ND	97.4	54-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*50-150*			
Matrix Spike Dup (2033042-MSD1)				**Source: P008045-01**					Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Benzene	4.88	0.0250	5.00	ND	97.7	54-133	0.233	20	
Toluene	5.18	0.0250	5.00	ND	104	61-130	1.03	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	0.182	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.282	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	0.341	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.302	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.8*	*50-150*			

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Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2033042-BLK1)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.3*	*50-150*			
LCS (2033042-BS2)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.8*	*50-150*			
Matrix Spike (2033042-MS2)				**Source: P008045-01**					Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*50-150*			
Matrix Spike Dup (2033042-MSD2)				**Source: P008045-01**					Prepared: 08/14/20 1 Analyzed: 08/17/20 2
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	0.319	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.1*	*50-150*			

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

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

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2034001-BLK1)									Prepared: 08/17/20 0 Analyzed: 08/17/20 1
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*50-200*			
LCS (2034001-BS1)									Prepared: 08/17/20 0 Analyzed: 08/17/20 1
Diesel Range Organics (C10-C28)	458	25.0	500		91.5	38-132			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*50-200*			
Matrix Spike (2034001-MS1)				**Source: P008045-01**					Prepared: 08/17/20 0 Analyzed: 08/17/20 1
Diesel Range Organics (C10-C28)	12800	250	500	14100	NR	38-132			M4
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2034001-MSD1)				**Source: P008045-01**					Prepared: 08/17/20 0 Analyzed: 08/17/20 1
Diesel Range Organics (C10-C28)	11900	250	500	14100	NR	38-132	6.92	20	M4
Surrogate: n-Nonane	*60.0*		*50.0*		*120*	*50-200*			

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2033045-BLK1)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Chloride	ND	20.0							
LCS (2033045-BS1)									Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2033045-MS1)					**Source: P008045-01**				Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Chloride	294	20.0	250	39.0	102	80-120			
Matrix Spike Dup (2033045-MSD1)					**Source: P008045-01**				Prepared: 08/14/20 1 Analyzed: 08/17/20 1
Chloride	294	20.0	250	39.0	102	80-120	0.116	20	

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

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Analytical Laboratory

Souder Miller & Associates	Project Name:	Checkers 24 #1	
401 W. Broadway	Project Number:	01058-0007	**Reported:**
Farmington NM, 87401	Project Manager:	Lynn Acosta	08/19/20 15:01

Notes and Definitions

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

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

Project Information | Chain of Custody | Page 1 of 2

Lynn Austin

Client:	SMA
Project:	Cheelers 24 #1
Project Manager:	~~Ashley Ahrens~~ Lynn Austin
Address:	201 S Halagueno
City, State, Zip	Carlsbad, NM, 88220
Phone:	
Email:	
Report due by:	

Bill To

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

Lab Use Only

Lab WO#	Job Number
P008045	01058-0007

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	GRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
12:00	8/12/20	Soil	1-4oz	L1 - Surface	1													
12:05				L1 - 1'	2													
12:10				L1 - 3'	3													
12:15				L2 - Surface	4													
12:20				L2 - 1'	5													
12:25				L3 - Surface	6													
12:30				L3 - 1'	7													
12:35				L3 - 3'	8													
12:40				L4 - Surface	9													
12:45				L4 - 1'	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
LA			Kristen Smith	8/12/20	3:15
	8/12/2020	8:15		8.13.2020	1405
	8.13.2020	1605		8/14/20	10:20

Lab Use Only — Received on ice: Y / N (Y)

T1 ____ T2 ____ T3 ____

AVG Temp °C 4.0

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

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

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

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

Project Information | Chain of Custody | Page 2 of 2

Cyn Acosta

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project: Checkers 24 #1	Attention: Devon Energy	Lab WO# P008045	Job Number 01058-0007
Project Manager: ~~Ashley Maxwell~~	Address:	1D 3D	RCRA CWA SDWA
Address: 201 S. Halagueno	City, State, Zip	Analysis and Method	State: NM CO UT AZ / TX OK
City, State, Zip Carlsbad, NM, 88220	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
12:50	8/12/20	Soil	1-4oz	L5 - Surface	11	X	X	X			X			
12:55				L5 - 1'	12									
1:00				L6 - Surface	13									
1:05				L6 - 1'	14									
1:10				L6 - 3'	15									
1:15				SW1	16									
1:20				SW2	17									
1:25				SW3	18									
1:30				SW4	19									
					20									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
L.A			~~Received by:~~ (Signature) Tim Smith	8/12/20	3:15
Relinquished by: (Signature)	8/12/20	3:15	Received by: (Signature)	8.13.2020	1405
Relinquished by: (Signature)	8.13.2020	1650	Received by: (Signature)	8/14/20	10:20

Lab Use Only — Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4.0

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
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Report to:
Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220




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:	Checkers
Work Order:	P009083
Job Number:	01058-0007
Received:	9/22/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/20

Date Reported: 9/25/20

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Checkers
Workorder: P009083
Date Received: 9/22/2020 11:00:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/22/2020 11:00:00AM, under the Project Name: Checkers.

The analytical test results summarized in this report with the Project Name: Checkers 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

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Checkers	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/25/20 08:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	P009083-01A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
CS2	P009083-02A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
CS3	P009083-03A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
CS4	P009083-04A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW1	P009083-05A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW2	P009083-06A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW3	P009083-07A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW4	P009083-08A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW5	P009083-09A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW6	P009083-10A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.
SW7	P009083-11A	Soil	09/11/20	09/22/20	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

CS1

P009083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/22/20	
Toluene	ND	0.0250	1	09/22/20	09/22/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/22/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/22/20	
o-Xylene	ND	0.0250	1	09/22/20	09/22/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*09/22/20*	*09/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*	*70-130*	*09/22/20*	*09/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/22/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/22/20	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*09/22/20*	*09/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

CS2

P009083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/22/20	
Toluene	ND	0.0250	1	09/22/20	09/22/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/22/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/22/20	
o-Xylene	ND	0.0250	1	09/22/20	09/22/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/22/20*	*09/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*09/22/20*	*09/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/22/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/22/20	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*09/22/20*	*09/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

CS3

P009083-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/22/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/22/20	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*09/22/20*	*09/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

CS4

P009083-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/22/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/22/20	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*09/22/20*	*09/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW1

P009083-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW2

P009083-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW3

P009083-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW4

P009083-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*121 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW5

P009083-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	**66.4**	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	**55.1**	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	**270**	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW6

P009083-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	**124**	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	**77.0**	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

Sample Data

Souder Miller Associates - Carl	Project Name:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

SW7

P009083-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Benzene	ND	0.0250	1	09/22/20	09/23/20	
Toluene	ND	0.0250	1	09/22/20	09/23/20	
Ethylbenzene	ND	0.0250	1	09/22/20	09/23/20	
p,m-Xylene	ND	0.0500	1	09/22/20	09/23/20	
o-Xylene	ND	0.0250	1	09/22/20	09/23/20	
Total Xylenes	ND	0.0250	1	09/22/20	09/23/20	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2039008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/20	09/23/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*09/22/20*	*09/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2039009
Diesel Range Organics (C10-C28)	**469**	25.0	1	09/22/20	09/23/20	
Oil Range Organics (C28-C40)	**189**	50.0	1	09/22/20	09/23/20	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*09/22/20*	*09/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2039006
Chloride	ND	20.0	1	09/22/20	09/23/20	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Checkers	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

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 (2039008-BLK1)									Prepared: 09/22/20 Analyzed: 09/23/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
LCS (2039008-BS1)									Prepared: 09/22/20 Analyzed: 09/23/20
Benzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.76	0.0500	10.0		97.6	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.45*		*8.00*		*106*	*70-130*			
Matrix Spike (2039008-MS1)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Benzene	5.25	0.0250	5.00	ND	105	54-133			
Toluene	5.40	0.0250	5.00	ND	108	61-130			
Ethylbenzene	5.35	0.0250	5.00	ND	107	61-133			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
o-Xylene	5.26	0.0250	5.00	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2039008-MSD1)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Benzene	4.87	0.0250	5.00	ND	97.3	54-133	7.61	20	
Toluene	4.98	0.0250	5.00	ND	99.7	61-130	8.04	20	
Ethylbenzene	4.95	0.0250	5.00	ND	99.0	61-133	7.75	20	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131	7.82	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131	7.55	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.7	63-131	7.73	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Checkers	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

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 (2039008-BLK1)									Prepared: 09/22/20 Analyzed: 09/23/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		*8.00*		*86.7*	*70-130*			
LCS (2039008-BS2)									Prepared: 09/22/20 Analyzed: 09/23/20
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.99*		*8.00*		*87.4*	*70-130*			
Matrix Spike (2039008-MS2)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.80*		*8.00*		*84.9*	*70-130*			
Matrix Spike Dup (2039008-MSD2)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	7.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.4*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Checkers	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

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 (2039009-BLK1)									Prepared: 09/22/20 Analyzed: 09/22/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*47.8*		*50.0*		*95.7*	*50-200*			
LCS (2039009-BS1)									Prepared: 09/22/20 Analyzed: 09/22/20
Diesel Range Organics (C10-C28)	463	25.0	500		92.6	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.8*	*50-200*			
Matrix Spike (2039009-MS1)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/22/20
Diesel Range Organics (C10-C28)	6100	1250	500	7690	NR	38-132			M4
Surrogate: n-Nonane	*71.2*		*50.0*		*142*	*50-200*			
Matrix Spike Dup (2039009-MSD1)				**Source: P009082-01**					Prepared: 09/22/20 Analyzed: 09/22/20
Diesel Range Organics (C10-C28)	6750	1250	500	7690	NR	38-132	10.1	20	M4
Surrogate: n-Nonane	*70.9*		*50.0*		*142*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Checkers	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	9/25/2020 8:31:43AM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2039006-BLK1)									Prepared: 09/22/20 Analyzed: 09/23/20
Chloride	ND	20.0							
LCS (2039006-BS1)									Prepared: 09/22/20 Analyzed: 09/23/20
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2039006-MS1)				**Source: P009083-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2039006-MSD1)				**Source: P009083-01**					Prepared: 09/22/20 Analyzed: 09/23/20
Chloride	279	20.0	250	ND	112	80-120	8.65	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:	Checkers	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/25/20 08:31

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: SMA	Bill To	Lab Use Only	TAT / EPA Program
Project:	Attention: Devon	Lab WO# P089083	Job Number 01058-0007
Project Manager: Ashley Maxwell	Address:	1D 3D	RCRA CWA SDWA
Address:	City, State, Zip		
City, State, Zip	Phone:		
Phone:	Email:		
Email: Sebastian.Orozco@Souder miller.com			
Report due by:			

Analysis and Method

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

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
9:05	9/11/20	Soil	1-4oz	CS 1	1									X				
9:10				CS2	2													
9:15				CS3	3													
9:20				CS4	4													
9:25				SW1	5													
9:30				SW2	6													
9:35				SW3	7													
9:40				SW4	8													
9:45				SW5	9													
9:50				SW6	10													
9:55				SW7	11													

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: SO

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
Sebastian O.	9/21/20			9.21.2020	1346
	9.21.2020	1605		9/22/20	11:00

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 S

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
5796 US Highway 64, Farmington, NM 87401
24 hour Emergency Response Phone: 800-362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 1 of 1

Client: SMA	Bill To
Project: Checkers	Attention: Devon
Project Manager: Ashley Maxwell	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email: Sebastian.Orozco@Soudermiller.com	
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P009083	01058-0007					

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
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9:10				CS2	2									
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9:50				SW6	10									
9:55				SW7	11									

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: SO

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
Sebastian O.	9/21/20			9.21.2020	1346
	9.21.2020	1605	Rena Lopez	9/22/20	11:00

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 S

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: 9/22/2020 11:43:51AM

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:	09/22/20 11:00	Work Order ID:	P009083
Phone:	(505) 325-7535	Date Logged In:	09/22/20 11:32	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	09/28/20 17:00 (4 day TAT)		

Chain of Custody (COC)	Yes	No	
1. Does the sample ID match the COC?	☑	☐	
2. Does the number of samples per sampling site location match the COC	☑	☐	
3. Were samples dropped off by client or carrier?	☑	☐	Carrier: Fed Ex
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	☑	☐	
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.

Comments/Resolution

Sample Turn Around Time (TAT)	Yes	No
6. Did the COC indicate standard TAT, or Expedited TAT?	☑	☐

Standard TAT ☑ 24-hr rush ☐ Immediate ☐ 48-hr rush ☐ 72-hr rush ☐

Sample Cooler	Yes	No	N/A
7. Was the sample cooler received in good condition?	☑	☐	☐
8. Was the sample(s) received in tact, i.e., not broken?	☑	☐	
9. Was the sample cooler received with custody/security seals intact?	☐	☐	☑
10. Were samples received with custody/security seals intact?	☐	☐	☑
11. 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

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

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

Field Label	Yes	No
18. Were field sample labels filled out with the minimum information:	☑	☐

Sample ID ☑ Date/time collected ☑ Collectors name ☐

Sample Preservation	Yes	No	N/A
19. Does the COC or field labels indicate the samples were preserved?	☐	☐	☑
20. Were VOCs preserved with 1:1 HCl?	☐	☐	☑
21. Are IOC/WET correctly preserved with H2SO4 or other?	☐	☐	☑
22. Is lab filteration required and/or requested for dissolved metals?	☐	☐	☑
23. Are metals preserved with 5N (1:1) HNO3?	☐	☐	☑

Multiphase Sample Matrix	Yes	No	N/A
24. Does the sample have more than one phase, i.e., multiphase?	☐	☐	☑
25. If so, does the COC specify which phase(s) is to be analyezed?	☐	☐	☑

Subcontract Laboratory Information	Yes	No	
26. Was a subcontract laboratory specified by the client and if so who?	☐	☑	Subcontract Lab:

AM — SCO Initials

9/22 — Date

Client Instruction

Bill to Devon - Email: sebastian.orozco@soudermiller.com

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

Date

envirotech Inc.

APPENDIX E
PHOTO LOG


SW
W
NW
276°W (T)
32°22'33"N, 103°37'35"W ±19ft
3717ft


NE
E
SE
92°E (T)
32°22'33"N, 103°37'35"W ±9ft
3716ft


NW
N
NE
4°N (T) 32°22'32"N, 103°37'35"W ±13ft 3719ft


N
NE
E
47°NE (T)
32°22'32"N, 103°37'35"W ±13ft
3719ft


NW
N
NE
3°N (T) 32°22'32"N, 103°37'35"W ±13ft 3721ft


SW
W
NW
282°W (T)
32°22'32"N, 103°37'35"W ±13ft
3721ft


SE
S
SW
167°S (T)
32°22'33"N, 103°37'35"W ±13ft
3716ft

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

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

CONDITIONS

Action 10723

CONDITIONS

Operator:	OGRID:
Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240	329999
	Action Number: 10723
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Deferral of contamination approved until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first. Closure request denied. Incident will remain in "Closure not approved" status until remediation of contamination is completed and a closure report is submitted.	1/13/2023
bhall	1RP-1577 closed. Refer to incident #nPAC0726227060 in all future communication.	1/13/2023