Armando Martinez
Project Manager

Chevron Environmental Management Company
354 State Highway 38
Questa, NM 87556-0469
Work: 575.586.7639
Cell: 575.586.0811
amarti@chevron.com

INFORMATION ONLY

April 26, 2022

New Mexico Oil Conservation Division, District II
811 S. First Ct
Artesia, NM 88210

Re: Reid Well No. 1
Subsequent Soil Assessment Report
2RP-3981
Eddy County, New Mexico

Dear whom it concerns,

Please find enclosed for your filed, copies of the following:

- Reid Well No. 1 – April 26, 2022 Subsequent Soil Assessment Report

The Subsequent Soil Assessment Report was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Chevron Environmental Management Company (CEMC).

Please do not hesitate to call Scott Foord with Arcadis at 713.953.4853 or myself at 575.586.0811, should you have any questions.

Sincerely,

Armando Martinez

Encl. Reid Well No. 1, 2RP-3981 Subsequent Soil Assessment Report

cc. Amy Barnhill, Chevron/MCBU

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nMLB0616535537
District RP	2RP-3981
Facility ID	30-015-26528
Application ID	pAB1631535123

Release Notification

Responsible Party

Responsible Party: Chevron USA Inc.	OGRID: 4323
Contact Name: Armando Martinez	Contact Telephone: 575.586.7639
Contact email: amarti@chevron.com	Incident # *(assigned by OCD)*: nMLB0616535537
Contact mailing address:	

Location of Release Source

Latitude 32.3005829 Longitude -104.0557327
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Reid Well No. 1	Site Type: Tank Battery
Date Release Discovered: February 16, 2006	API# *(if applicable)*: 30-015-26528

Unit Letter	Section	Township	Range	County
O	14	23S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Johnny L Reid & Jackie L Reid)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) ~58 bbls	Volume Recovered (bbls) ~58 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Open 1-inch ball valve at the circulation pump.		

State of New Mexico
Oil Conservation Division

Incident ID	nMLB0616535537
District RP	2RP-3981
Facility ID	30-015-26528
Application ID	pAB1631535123

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? **Release volume is greater than 25 bbls.**
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Rudy Garcia contacted Linda Nelson on February 16, 2006 by an unknown means.	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Armando Martinez Title: Project Manager

Signature:  Date: 4/26/22

email: amarti@chevron.com Telephone: 575.586.7639

OCD Only

Received by: Date:

Incident ID	nMLB0616535537
District RP	2RP-3981
Facility ID	30-015-26528
Application ID	pAB1631535123

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?	30 (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 – **Soil boring logs will be provided in the subsequent assessment report**
☐ Photographs including date and GIS information – **Photographs will be provided in the subsequent assessment report**
☒ 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	nMLB0616535537
District RP	2RP-3981
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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: Armando Martinez Title: Project Manager

Signature:  Date: 4/26/22

email: amarti@chevron.com Telephone: 575.586.7639

OCD Only

Received by: _____ Date: _____

ARCADIS

Chevron Environmental Management Company

Subsequent Soil Assessment Report

Reid Well No. 1

Section 14, Township 23 South, Range 28 East

Eddy County, New Mexico

NMOCD Case No. 2RP-3981

April 26, 2022

Subsequent Soil Assessment Report

Reid Well No. 1

Section 14, Township 23 South, Range 28 East

Eddy County, New Mexico

NMOCD Case No. 2RP-3981

April 26, 2022

Prepared By:
Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620

Prepared For:
Armando Martinez
Operations Lead - Central
Chevron Environmental Management Company
P.O. Box 469
Questa, NM 87564

Our Ref:
30089351

Sarah Johnson
Task Manager II

Scott Foord, P.G.
Certified Project Manager

Contents

Tables

Figures

Appendices

Subsequent Soil Assessment Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Subsequent Soil Assessment Report (Report) on behalf of Chevron Environmental Management Company (CEMC), summarizing subsequent soil assessment activities conducted in 2021 at the Reid Well No. 1 (Site). In total, three soil assessment events have been conducted at the Site. Data presented in this Report was collected from the third soil assessment event, which was performed in June 2021.

The Site is located approximately 2.50 miles northeast of Loving in Unit O, Section 14, Township 23 South, Ranger 28 East, Eddy County, New Mexico. A site map is included as **Figure 1**.

2 Project Summary

On February 16, 2006, a release of produced water was discovered at the Site due to an open 1-inch-diameter ball valve on the circulation pump. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form, approximately 58 barrels (bbls) of produced water were released and contained within the firewall. Upon discovery, a vacuum truck recovered 58 bbls of standing fluid. A work plan dated February 24, 2006 was submitted to the NMOCD by White Buffalo Environmental Services, Inc. (WBESI) on behalf of Range Operating New Mexico, Inc. (Range), the previous operator. The Initial C-141 Form is included as **Appendix A**.

Between February 7 and March 9, 2006, WBESI collected and analyzed eleven soil samples following excavation activities within the release area. Excavation side wall and bottom samples were reportedly collected. Chloride concentrations ranged from 145 parts per million (ppm) to 1,330 ppm, benzene concentrations for all samples were reported below 0.0100 ppm, and total petroleum hydrocarbon concentrations ranged from less than 50 ppm to 426 ppm. No additional file information, including a summary of the remediation activities, could be located. Laboratory data was reportedly submitted to the NMOCD; however, it is no longer available. Chevron acquired the lease for the Site in October 2018.

In July 2019 Arcadis requested on behalf of CEMC a review of previously submitted historical remediation documentation by NMOCD and approval for closure at the Site. The NMOCD rejected the closure of the Site citing previous sampling results exceeded the action levels for sites with depth to groundwater less than 50 feet below ground surface (bgs). According to the New Mexico Office of the State Engineer (NMOSE), a water well located approximately 0.30 miles south of the Site has a reported depth to groundwater at 12 feet bgs. Arcadis performed additional soil sampling to further define current soil conditions at the Site.

On July 6, 2020, Arcadis personnel collected soil samples at nine locations (HA-1 through HA-9) within the release area. The soil samples were collected with a hand auger at depths ranging from the surface (0-6 inches bgs) to approximately 2 feet bgs. The sample locations were determined based on information available on the Initial C-141 Form associated with the release. The soil samples were collected in two- and four-ounce jars provided by Eurofins TestAmerica Laboratory and shipped overnight via courier to Eurofins TestAmerica in Houston, Texas. Upon receival by laboratory, the soil samples were analyzed for chloride, total petroleum hydrocarbons as gasoline (TPH-GRO), TPH as diesel (TPH-DRO), and TPH as oil (TPH-ORO), and benzene, toluene, ethylbenzene and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Methods 300, 8015 and 8021B, respectively.

Analytical results associated with assessment activities conducted in 2020 indicated that the horizontal and vertical delineation of chloride and TPH impact in soil had not been fully delineated (neither horizontally nor

vertically). The 2020 sampling event is presented in the 2020 Soil Assessment Report prepared by Arcadis (*2020 Reid Well No. 1 Soil Assessment Report*). The findings from the recent shallow soil assessment for the Reid Well No. 1 location are detailed in the following sections.

3 2021 Soil Assessment

On June 14, 2021, Arcadis personnel collected soil samples at seven locations (SB-1 through SB-5, SB-8 and SB-9) surrounding the tank battery. Arcadis was unable to collect soil samples from the remaining proposed sample locations (SB-6 and SB-7) due to the presence of a subsurface utility line. The soil samples were collected with a backhoe at depths ranging from the surface (0 – 0.5 feet) to 4-feet bgs. The soil samples were collected in two- and four-ounce jars provided by Pace Analytical Laboratory (Pace) located in Mount Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receival by laboratory, the soil samples were analyzed for chloride, TPH-DRO, and TPH-ORO by USEPA Methods 300, and 8015, respectively. Soil sample locations are presented in **Figure 2**.

4 Soil Analytical Results

The soil sample analytical results were compared to the New Mexico Administration Code (NMAC) screening levels for chloride and TPH for a site with a depth to groundwater less than 50 feet bgs specified in **Table 1** within revised Rule 19.15.29. A summary of the soil sample analytical results is presented in **Table 1**. Copies of the certified analytical reports and chain-of-custody documentation from Pace are presented in **Appendix B**. The soil analytical map is presented in **Figure 3**.

4.1 Chloride

Chloride exceeded the NMAC screening standard of 600 milligrams per kilogram (mg/Kg) in the following 5 of 16 samples collected:

- SB-1, 0 – 0.5’ (3,160 mg/Kg)
- SB-1, 0 – 0.75’ (704 mg/Kg)
- SB-5, 0 – 0.5’ (3,160 mg/Kg)
- SB-8, 0 – 0.5’ (1,610 mg/Kg)
- SB-9, 0 – 0.5’ (4,350 mg/Kg)

4.2 TPH

Total TPH (GRO + ORO) exceeded the NMAC screening standard of 100 mg/Kg in the following 3 of 16 samples collected:

- SB-2, 0 – 0.5’ (6,717 mg/Kg)
- SB-4, 0 – 0.5’ (169.8 mg/Kg)
- SB-5, 1.5 – 2’ (1,397 mg/Kg)

5 Summary

In summary, the 2021 soil investigation activities indicate the following:

- Chloride has not been fully delineated at SB-1, SB-5, and SB-9.
- TPH has not been fully delineated at SB-2, SB-4, and SB-5.

6 Recommendation

Analytical results associated with recent assessment activities conducted in 2021 indicate that the horizontal and vertical delineation of chloride and TPH impact in soil has not been fully achieved. Additional assessment activities will be evaluated, and a proposed scope will be included in a Work Plan that will be submitted to NMOCD for review and approval.

References

Reid Well No. 1 Soil Assessment Report, prepared by Arcadis, dated February 18, 2021 (2020 Reid Well No. 1 Soil Assessment Report)

Tables

Table 1
2021 Soil Analytical Results
Chevron Environmental Management Company
Reid Well No. 1
Loving, New Mexico 88256

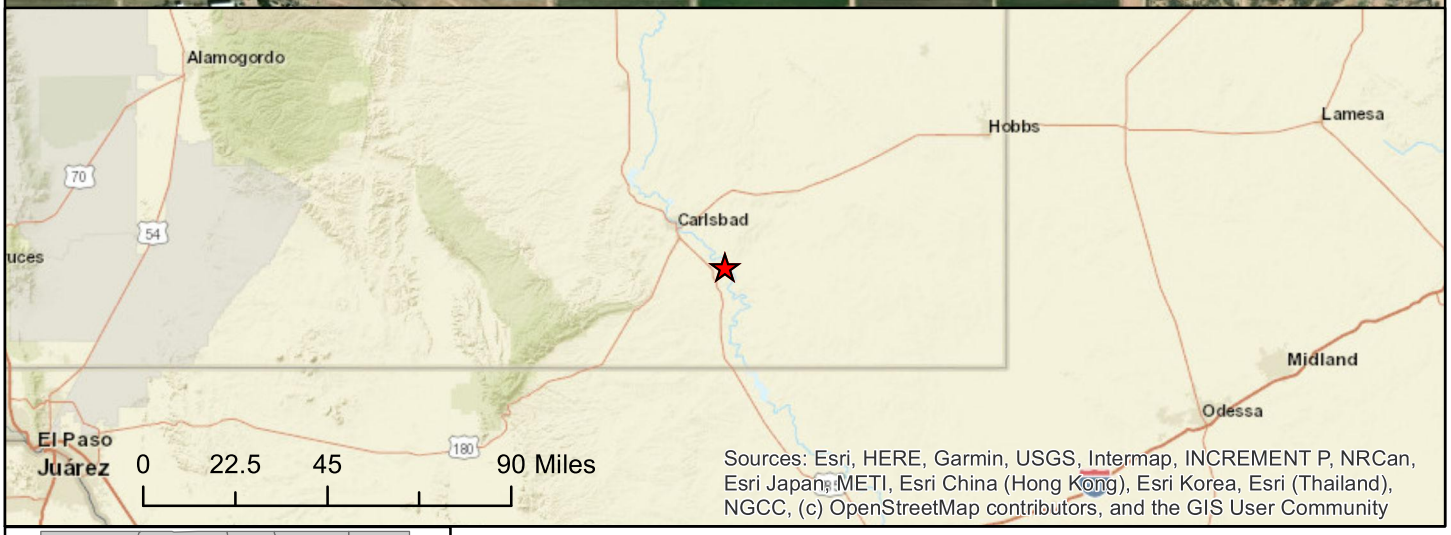
ARCADIS

Sample I.D. No.	Sample Depth (feet bgs)	Date	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			--	--	***100***	***600***
SB-1	0-0.5'	06/15/2021	10.1	31.1	41.2	***3,160***
SB-1	0-0.75'	06/15/2021	2.32 J	6.29	8.61 J	***704***
SB-2	0-0.5'	06/14/2021	787	5,930	***6,717***	284
SB-2	2'	06/14/2021	<4.58	2.23 J	2.23 J	71.8
SB-2	3.25'	06/14/2021	4.91	27	31.91	93.4
SB-3	0-0.5'	06/14/2021	10.6	31.2	41.8	<23.3
SB-3	2'	06/14/2021	<4.50	0.652 J	0.652 J	13.7 J
SB-4	0-0.5'	06/15/2021	37.8	132	***169.8***	321
SB-4	2'	06/15/2021	<4.45	0.946 J	0.946 J	<22.3
SB-4	4'	06/15/2021	<4.25	3.49 J	3.49 J	56.6
SB-5	0-0.5'	06/14/2021	2.26 J	4.96	7.22 J	***3,160***
SB-5	1.5-2'	06/14/2021	397	1,000	***1,397***	360
SB-8	0-0.5'	06/15/2021	3.66 J	8.38	12.04	***1,610***
SB-8	2'	06/15/2021	<4.30	0.634 J	0.634 J	44.2
SB-8	4'	06/15/2021	<4.21	0.546 J	0.546 J	70.7
SB-9	0-0.5'	06/14/2021	4.05 J	8.98	13.03 J	***4,350***

Legend:
Bold and *italicized* analytes exceeds NMAC Standards
'<' indicates the analyte was not detected at or above the Reported Detection Limit (RDL)
NA : Not analyzed
NMAC : New Mexico Administration Code
J: Result is less than the RDL but greater than or equal to the MDL and the concentration is an approximate value
mg/kg: Milligram per Kilogram
" ' " : Indicates one foot
bgs: below ground surface

Notes:
1. Chloride analyzed by Method 9056A
2. Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) [C10-C28] and Oil Range Organics (ORO) [C28-36] analyzed by (GC) Method 8015B
3. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Figures



Notes:
1. Datum: D_WGS_1984
2. Site Location: 32.3005829,-104.0557327

N

Chevron Environmental Management Company
Reid Well No. 1
Loving, New Mexico 88256

SITE LOCATION MAP

ARCADIS

FIGURE
1

Document Path: T:_ENV\Chevron\Reid 1\D-ProjectWorking_\MXD\Figure 1 - Site Location Map.mxd

Legend

- Sample Locations

Note:
1. Datum: GCS_WGS_1984
2. Site Location: 32.3005829°, -104.0557327°

N

0 25 50 100 Feet

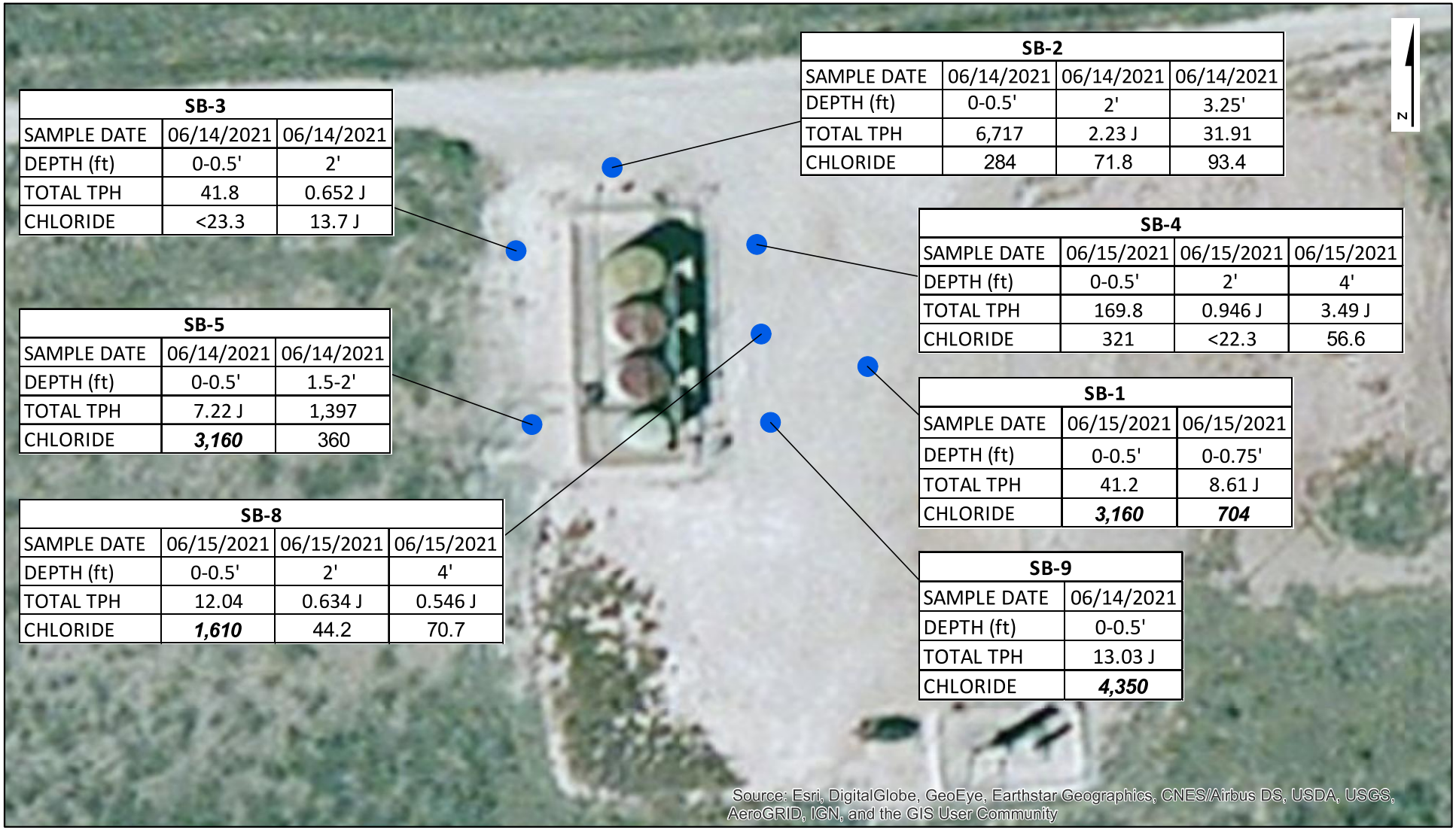
Chevron Environmental Management Company
REID # 1
Loving, New Mexico 88256

SOIL SAMPLE LOCATIONS MAP

ARCADIS

FIGURE 2

Document Path: T:_ENV\Chevron\Reid 1\D-ProjectWorking_\MXD\20210721\Figure 2 - Soil Sample Locations.mxd



SB-2			
SAMPLE DATE	06/14/2021	06/14/2021	06/14/2021
DEPTH (ft)	0-0.5'	2'	3.25'
TOTAL TPH	6,717	2.23 J	31.91
CHLORIDE	284	71.8	93.4

SB-3		
SAMPLE DATE	06/14/2021	06/14/2021
DEPTH (ft)	0-0.5'	2'
TOTAL TPH	41.8	0.652 J
CHLORIDE	<23.3	13.7 J

SB-4			
SAMPLE DATE	06/15/2021	06/15/2021	06/15/2021
DEPTH (ft)	0-0.5'	2'	4'
TOTAL TPH	169.8	0.946 J	3.49 J
CHLORIDE	321	<22.3	56.6

SB-5		
SAMPLE DATE	06/14/2021	06/14/2021
DEPTH (ft)	0-0.5'	1.5-2'
TOTAL TPH	7.22 J	1,397
CHLORIDE	***3,160***	360

SB-1		
SAMPLE DATE	06/15/2021	06/15/2021
DEPTH (ft)	0-0.5'	0-0.75'
TOTAL TPH	41.2	8.61 J
CHLORIDE	***3,160***	***704***

SB-8			
SAMPLE DATE	06/15/2021	06/15/2021	06/15/2021
DEPTH (ft)	0-0.5'	2'	4'
TOTAL TPH	12.04	0.634 J	0.546 J
CHLORIDE	***1,610***	44.2	70.7

SB-9	
SAMPLE DATE	06/14/2021
DEPTH (ft)	0-0.5'
TOTAL TPH	13.03 J
CHLORIDE	***4,350***

Legend

Sample Locations

Note:
1. Datum: GCS_WGS_1984
2. Site Location: 32.3005829°, -104.0557327°

0 25 50 100 Feet

Notes:
1. **Bold** and *italicized* analytes exceeds NMAC Standards.
2. '<' Indicates the analyte was not detected at or above the Reported Detection Limit (RDL).
3. NA: Not analyzed
4. NMAC Indicates New Mexico Administration Code.
5. BTEX Indicates Benzene, Toluene, Ethylbenzene, and Total Xylenes.
6. J Indicates Result is less than the RDL but greater than or eqal to the MDL and the concentration is an approximate value.
7. All values are in mg/kg (Milligram per Kilogram).
8. ''' ' '' Indicates one foot.
9. ''' Indicated inches.
10. bgs Indicates Below ground srface.
11. Chloride analyzed by Method 9056A.
12. Gasoline Range Organics [C6-C10] analyzed by GC Method 8015B.
13. Diesel Range Organics [C10-C28] and Oil Range Organics [C28-36] analyzed by (DRO) (GC) Method 8015B.
14. BTEX analyzed by (GC/MS) Method 8260B.
15. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2).

Chevron Environmental Management Company
REID # 1
Loving, New Mexico 88256

SOIL ANALYTICAL RESULTS MAP

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FIGURE 3

Appendix A

Initial C-141 Form

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 October 10, 2003

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

30-015-26528
nMLB0616535537 #371115 227588

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Repor

Name of Company: Range Operating New Mexico, Inc.	Contact: Linda C. Stiles
Address: 777 Main Street Suite 800 Ft. Worth Tx 76102	Telephone No: (817) 810-1908.
Facility Name: Reid 001 Battery	Facility Type: Tank Battery

Surface Owner: Johnny L Reid&Jackie L Reid	Mineral Owner: See Attached	Lease No: 300267

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	14	23S	28E	880	South	1980	East	Eddy

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release: Produced H20	Volume of Release 58bbls	Volume Recovered 58 bbls
Source of Release: 1" Ball Valve	Date and Hour of Occurrence 2-16-06 9:45 AM MST	Date and Hour of Discovery 2-16-06 9:45 AM MST
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Linda Nelson NMOCD – Artesia	
By Whom? Rudy Garcia	Date and Hour: 2-16-06 9:45 AM MST	
Was a Watercourse Reached? No ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

RECEIVED
FEB 16 2006
OCD-ARTESIA

Describe Cause of Problem and Remedial Action Taken.*
1" Ball Valve Was Open At Circulating Pump.

Describe Area Affected and Cleanup Action Taken.*
Contained Inside Firewall
Vacuum Truck picked up 58bbls..

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:	OIL CONSERVATION DIVISION
Printed Name: Linda C. Stiles	Approved by District Supervisor: TIM GUM by MB
Title: Sr. Engineering Tech	Approval Date: 6/13/06 Expiration Date:
E-mail Address: lstiles@rangeresources.com	Conditions of Approval: Attached ☒
Date: 2-16-2006 Phone: (817) 810-1908	

* Attach Additional Sheets If Necessary

2RP-3981

CC: operator
Imaged

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Range Operating New Mexico, Inc.
777 Main Street Suite 800
Ft. Worth, TX 76102

June 13, 2006

Reference: Reid 001 Tank Battery O-14-23s-28e API: 30-015-26528

Operator,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of an Initial Report Form C-141 reporting a release of produced fluids that occurred on 2/16/2006 at the above referenced well site. A remediation work plan proposal has been formulated and submitted to the OCD by your agent, White Buffalo Environmental Services, Inc.

The work plan proposal submitted is approved with the following general stipulations:

- Notify the OCD 24 hours prior to commencement of activities.
- Notify the OCD 24 hours prior to obtaining samples where analyses of samples obtained are to be submitted to the OCD.
- The OCD may make amendments to work plan stipulations at any time as conditions warrant.
- Submit a Final Report C-141 upon satisfactory completion of remediation project.
- Site is to be ready for confirmation sampling for closure no later than August 14, 2006. If for any reason this deadline cannot be met, please contact this office.

For future reference when submitting a Form C-141, please submit a copy signed by an authorized representative of your company. The C-141 submitted for this release indicates a release volume of 58 bbls and a recovery volume of 58 bbls. Realizing that these volumes are usually estimates, it would generally be unlikely to recover 100 percent of fluids released.

Please be advised that NMOCD approval of this work plan proposal 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 approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If I can be of assistance in this matter please contact me.

Sincerely,

Mike Bratcher

Mike Bratcher
NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
(505) 748-1283 Ext. 108
(505) 626-0857
Mike.Bratcher@state.nm.us

CC Emailed operator
" Greg Swindle w/ White Buffalo Enviro
HARD Copy mailed

Appendix B

Laboratory Reports

ANALYTICAL REPORT

June 29, 2021

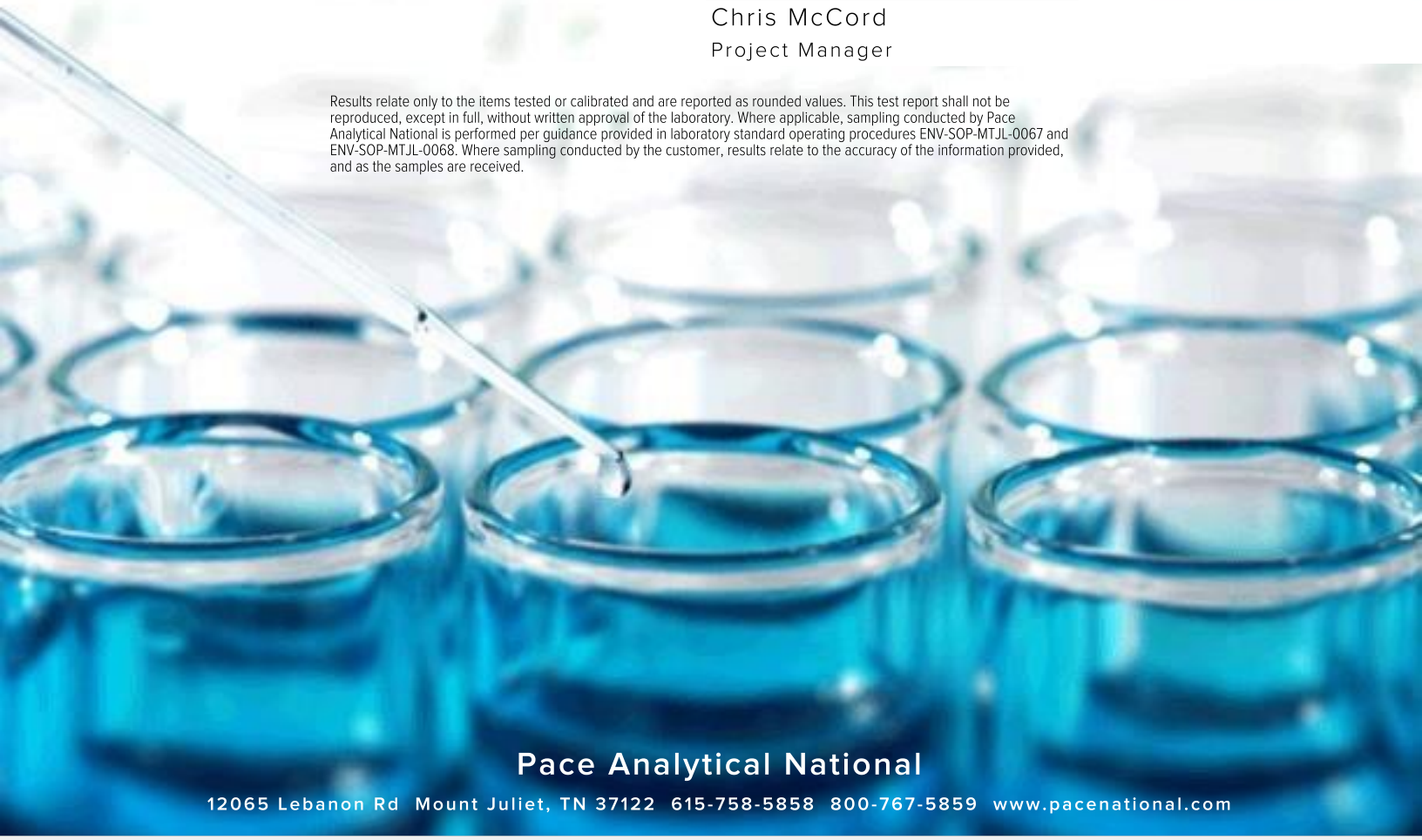
Arcadis - Chevron - TX

Sample Delivery Group:	L1366656
Samples Received:	06/16/2021
Project Number:	30089351
Description:	Reid Well No. 1
Site:	REID #1
Report To:	Scott Foord 10205 Westheimer Road Suite 800 Houston, TX 77042

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SB-9-S-0-0.5-210614 L1366656-01 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 11:00 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690735	1	06/19/21 18:17	06/19/21 18:43	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1692482	10	06/25/21 17:30	06/26/21 01:21	MSP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1692505	1	06/21/21 19:07	06/22/21 18:07	CAG	Mt. Juliet, TN

SB-5-S-0-0.5-210614 L1366656-02 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 13:50 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690735	1	06/19/21 18:17	06/19/21 18:43	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1692482	10	06/25/21 17:30	06/26/21 01:31	MSP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1692505	1	06/21/21 19:07	06/22/21 18:20	CAG	Mt. Juliet, TN

SB-5-S-1.5-2-210614 L1366656-03 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 14:05 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690735	1	06/19/21 18:17	06/19/21 18:43	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1692482	1	06/25/21 17:30	06/26/21 01:40	MSP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1694635	10	06/25/21 07:48	06/27/21 21:56	CAG	Mt. Juliet, TN

SB-3-S-0-0.5-210614 L1366656-04 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 14:15 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690735	1	06/19/21 18:17	06/19/21 18:43	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1692482	1	06/25/21 17:30	06/26/21 01:50	MSP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 07:08	JDG	Mt. Juliet, TN

SB-3-S-2-210614 L1366656-05 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 14:25 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690735	1	06/19/21 18:17	06/19/21 18:43	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1696104	1	06/27/21 20:32	06/28/21 02:15	GB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 17:23	CAG	Mt. Juliet, TN

SB-2-S-0-0.5-210614 L1366656-06 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 14:35 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 04:18	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	50	06/23/21 03:43	06/25/21 08:02	JDG	Mt. Juliet, TN

SB-2-S-2-210614 L1366656-07 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 14:45 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 04:27	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 17:36	CAG	Mt. Juliet, TN

SB-2-S-3.25-210614 L1366656-08 Solid

Collected by: Justin Nixon | Collected date/time: 06/14/21 15:00 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 04:37	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 06:55	JDG	Mt. Juliet, TN

SB-4-S-0-0.5-210615 L1366656-09 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 10:15 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 04:46	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 08:16	JDG	Mt. Juliet, TN

SB-4-S-2-210615 L1366656-10 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 10:30 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 04:56	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 18:03	CAG	Mt. Juliet, TN

SB-4-S-4-210615 L1366656-11 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 10:40 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 05:15	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 18:17	CAG	Mt. Juliet, TN

SB-8-S-0-0.5-210615 L1366656-12 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 11:20 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	10	06/23/21 22:45	06/24/21 05:24	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 05:47	JDG	Mt. Juliet, TN

SB-8-S-2-210615 L1366656-13 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 11:45 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 05:53	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 18:31	CAG	Mt. Juliet, TN

SB-8-S-4-210615 L1366656-14 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 12:30 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	1	06/23/21 22:45	06/24/21 06:02	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/23/21 18:44	CAG	Mt. Juliet, TN

SB-1-S-0-0.5-210615 L1366656-15 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 13:05 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1690736	1	06/19/21 18:07	06/19/21 18:15	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1693581	10	06/23/21 22:45	06/24/21 06:12	ELN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 07:35	JDG	Mt. Juliet, TN

SB-1-S-0-0.75-210615 L1366656-16 Solid

Collected by: Justin Nixon | Collected date/time: 06/15/21 13:25 | Received date/time: 06/16/21 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1691109	1	06/19/21 08:48	06/19/21 08:55	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1696104	5	06/27/21 20:32	06/28/21 02:33	GB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1693141	1	06/23/21 03:43	06/25/21 05:33	JDG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	06/19/2021 18:43	WG1690735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	4350		95.8	208	10	06/26/2021 01:21	WG1692482

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.05	J	1.68	4.16	1	06/22/2021 18:07	WG1692505
C28-C36 Motor Oil Range	8.98		0.285	4.16	1	06/22/2021 18:07	WG1692505
(S) o-Terphenyl	*20.3*			*18.0-148*		*06/22/2021 18:07*	WG1692505

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.4		1	06/19/2021 18:43	WG1690735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	3160		93.5	203	10	06/26/2021 01:31	WG1692482

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.26	J	1.64	4.07	1	06/22/2021 18:20	WG1692505
C28-C36 Motor Oil Range	4.96		0.278	4.07	1	06/22/2021 18:20	WG1692505
(S) o-Terphenyl	*33.1*			*18.0-148*		*06/22/2021 18:20*	WG1692505

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	06/19/2021 18:43	WG1690735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	360		9.72	21.1	1	06/26/2021 01:40	WG1692482

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	397		17.0	42.3	10	06/27/2021 21:56	WG1694635
C28-C36 Motor Oil Range	1000		2.90	42.3	10	06/27/2021 21:56	WG1694635
(S) o-Terphenyl	*93.6*			*18.0-148*		*06/27/2021 21:56*	WG1694635

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	06/19/2021 18:43	WG1690735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.7	23.3	1	06/26/2021 01:50	WG1692482

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.6		1.87	4.65	1	06/25/2021 07:08	WG1693141
C28-C36 Motor Oil Range	31.2		0.319	4.65	1	06/25/2021 07:08	WG1693141
(S) o-Terphenyl	*73.2*			*18.0-148*		*06/25/2021 07:08*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	06/19/2021 18:43	WG1690735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.7	J	10.4	22.5	1	06/28/2021 02:15	WG1696104

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.81	4.50	1	06/23/2021 17:23	WG1693141
C28-C36 Motor Oil Range	0.652	J	0.308	4.50	1	06/23/2021 17:23	WG1693141
(S) o-Terphenyl	*75.7*			*18.0-148*		*06/23/2021 17:23*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	284		11.1	24.2	1	06/24/2021 04:18	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	787		97.3	242	50	06/25/2021 08:02	WG1693141
C28-C36 Motor Oil Range	5930		16.6	242	50	06/25/2021 08:02	WG1693141
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/25/2021 08:02*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	71.8		10.5	22.9	1	06/24/2021 04:27	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.84	4.58	1	06/23/2021 17:36	WG1693141
C28-C36 Motor Oil Range	2.23	J	0.314	4.58	1	06/23/2021 17:36	WG1693141
(S) o-Terphenyl	*71.7*			*18.0-148*		*06/23/2021 17:36*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	93.4		10.1	21.9	1	06/24/2021 04:37	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.91		1.76	4.38	1	06/25/2021 06:55	WG1693141
C28-C36 Motor Oil Range	27.0		0.300	4.38	1	06/25/2021 06:55	WG1693141
(S) o-Terphenyl	*88.8*			*18.0-148*		*06/25/2021 06:55*	WG1693141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	321		10.5	22.8	1	06/24/2021 04:46	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	37.8		1.83	4.55	1	06/25/2021 08:16	WG1693141
C28-C36 Motor Oil Range	132		0.312	4.55	1	06/25/2021 08:16	WG1693141
(S) o-Terphenyl	*82.2*			*18.0-148*		*06/25/2021 08:16*	WG1693141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.2	22.3	1	06/24/2021 04:56	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.45	1	06/23/2021 18:03	WG1693141
C28-C36 Motor Oil Range	0.946	J	0.305	4.45	1	06/23/2021 18:03	WG1693141
(S) o-Terphenyl	*78.1*			*18.0-148*		*06/23/2021 18:03*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	56.6		9.77	21.2	1	06/24/2021 05:15	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.71	4.25	1	06/23/2021 18:17	WG1693141
C28-C36 Motor Oil Range	3.49	J	0.291	4.25	1	06/23/2021 18:17	WG1693141
(S) o-Terphenyl	*81.0*			*18.0-148*		*06/23/2021 18:17*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1610		101	220	10	06/24/2021 05:24	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.66	J	1.77	4.40	1	06/25/2021 05:47	WG1693141
C28-C36 Motor Oil Range	8.38		0.301	4.40	1	06/25/2021 05:47	WG1693141
(S) o-Terphenyl	*81.6*			*18.0-148*		*06/25/2021 05:47*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	44.2		9.89	21.5	1	06/24/2021 05:53	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.73	4.30	1	06/23/2021 18:31	WG1693141
C28-C36 Motor Oil Range	0.634	J	0.295	4.30	1	06/23/2021 18:31	WG1693141
(S) o-Terphenyl	*80.7*			*18.0-148*		*06/23/2021 18:31*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	70.7		9.68	21.0	1	06/24/2021 06:02	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.69	4.21	1	06/23/2021 18:44	WG1693141
C28-C36 Motor Oil Range	0.546	J	0.288	4.21	1	06/23/2021 18:44	WG1693141
(S) o-Terphenyl	*79.2*			*18.0-148*		*06/23/2021 18:44*	WG1693141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	06/19/2021 18:15	WG1690736

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	3160		93.7	204	10	06/24/2021 06:12	WG1693581

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.1		1.64	4.07	1	06/25/2021 07:35	WG1693141
C28-C36 Motor Oil Range	31.1		0.279	4.07	1	06/25/2021 07:35	WG1693141
(S) o-Terphenyl	*88.8*			*18.0-148*		*06/25/2021 07:35*	WG1693141

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.9		1	06/19/2021 08:55	WG1691109

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	704		47.5	103	5	06/28/2021 02:33	WG1696104

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.32	J	1.66	4.13	1	06/25/2021 05:33	WG1693141
C28-C36 Motor Oil Range	6.29		0.283	4.13	1	06/25/2021 05:33	WG1693141
(S) o-Terphenyl	*91.0*			*18.0-148*		*06/25/2021 05:33*	WG1693141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

QUALITY CONTROL SUMMARY

L1366656-01,02,03,04,05

Method Blank (MB)

(MB) R3669767-1 06/19/21 18:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1366656-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1366656-02 06/19/21 18:43 • (DUP) R3669767-3 06/19/21 18:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.4	98.8	1	0.459		10

Laboratory Control Sample (LCS)

(LCS) R3669767-2 06/19/21 18:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3669765-1 06/19/21 18:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1366656-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1366656-13 06/19/21 18:15 • (DUP) R3669765-3 06/19/21 18:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.0	92.7	1	0.348		10

Laboratory Control Sample (LCS)

(LCS) R3669765-2 06/19/21 18:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1366656-16

Method Blank (MB)

(MB) R3669662-1 06/19/21 08:55

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1367618-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1367618-20 06/19/21 08:55 • (DUP) R3669662-3 06/19/21 08:55

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	71.4	67.9	1	5.00		10

Laboratory Control Sample (LCS)

(LCS) R3669662-2 06/19/21 08:55

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3672366-1 06/25/21 19:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1366485-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1366485-10 06/25/21 21:32 • (DUP) R3672366-3 06/25/21 21:41

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	94.5	89.9	1	4.98		20

L1366485-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1366485-20 06/26/21 00:15 • (DUP) R3672366-7 06/26/21 00:43

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1130	1210	5	6.56		20

Laboratory Control Sample (LCS)

(LCS) R3672366-2 06/25/21 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	205	102	90.0-110	

L1366485-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1366485-20 06/25/21 23:37 • (MS) R3672366-5 06/25/21 23:56 • (MSD) R3672366-6 06/26/21 00:05

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	543	1140	2070	1800	170	122	1	80.0-120	E J5	E J5	13.6	20

Method Blank (MB)

(MB) R3671539-1 06/24/21 03:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1366656-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1366656-10 06/24/21 04:56 • (DUP) R3671539-3 06/24/21 05:05

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		20

L1367322-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1367322-01 06/24/21 06:40 • (DUP) R3671539-4 06/24/21 06:50

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4250	4280	10	0.706		20

Laboratory Control Sample (LCS)

(LCS) R3671539-2 06/24/21 03:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	194	96.9	90.0-110	

L1367329-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1367329-02 06/24/21 08:06 • (MS) R3671539-5 06/24/21 08:16 • (MSD) R3671539-6 06/24/21 08:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	506	227	771	771	108	108	1	80.0-120			0.0586	20

Method Blank (MB)

(MB) R3673012-1 06/28/21 01:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1367081-41 Original Sample (OS) • Duplicate (DUP)

(OS) L1367081-41 06/28/21 02:51 • (DUP) R3673012-3 06/28/21 03:10

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4170	4450	1	6.60	E	20

L1367081-41 Original Sample (OS) • Duplicate (DUP)

(OS) L1367081-41 06/28/21 04:05 • (DUP) R3673012-6 06/28/21 04:23

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4140	4530	5	9.02		20

L1367081-50 Original Sample (OS) • Duplicate (DUP)

(OS) L1367081-50 06/28/21 07:46 • (DUP) R3673012-7 06/28/21 08:04

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	164	176	1	7.15		20

Laboratory Control Sample (LCS)

(LCS) R3673012-2 06/28/21 01:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	208	104	90.0-110	

QUALITY CONTROL SUMMARY

L1366656-05,16

L1367081-41 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1367081-41 06/28/21 02:51 • (MS) R3673012-4 06/28/21 03:28 • (MSD) R3673012-5 06/28/21 03:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	559	4170	4770	4570	108	72.1	1	80.0-120	E	E V	4.26	20

Method Blank (MB)

(MB) R3670103-1 06/22/21 00:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.344	J	0.274	4.00
(S) o-Terphenyl	*50.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3670103-2 06/22/21 00:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.8	65.6	50.0-150	
(S) o-Terphenyl			*66.5*	*18.0-148*	

L1365663-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1365663-02 06/22/21 14:23 • (MS) R3670103-3 06/22/21 14:36 • (MSD) R3670103-4 06/22/21 14:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	U	29.5	28.6	59.0	57.2	1	50.0-150			3.10	20
(S) o-Terphenyl					*53.2*	*51.7*		*18.0-148*				

Method Blank (MB)

(MB) R3671391-1 06/23/21 16:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*80.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3671391-2 06/23/21 17:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	47.5	95.0	50.0-150	
(S) o-Terphenyl			*109*	*18.0-148*	

L1367114-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1367114-02 06/25/21 06:00 • (MS) R3672386-1 06/25/21 06:14 • (MSD) R3672386-2 06/25/21 06:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.5	10.1	57.5	67.3	94.0	113	1	50.0-150			15.7	20
(S) o-Terphenyl					*111*	*129*		*18.0-148*				

Method Blank (MB)

(MB) R3672613-1 06/26/21 16:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*68.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3672613-2 06/26/21 16:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.9	77.8	50.0-150	
(S) o-Terphenyl			*63.2*	*18.0-148*	

L1368090-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1368090-05 06/26/21 20:59 • (MS) R3672613-3 06/26/21 21:12 • (MSD) R3672613-4 06/26/21 21:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.0	120	141	199	42.9	162	1	50.0-150	J6	J3 J5	34.1	20
(S) o-Terphenyl					*36.4*	*46.2*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - TX

10205 Westheimer Road
Suite 800
Houston. TX 77042

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: Scott Foord

Email To: william.foord@arcadis.com;sarah.johnson@arc

Project Description: Reid Well No. 1

City/State Collected: Loving, NM

Please Circle: PT MT CT ET

Phone: 713-953-4750

Client Project # 30089351

Lab Project # CHEVARCA-REID#1

Collected by (print): Justin Nixon

Site/Facility ID # REID #1

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day X Standard

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1366656
H247

Acctnum: CHEVARCA
Template: T188132
Prelogin: P848950
PM: 526 - Chris McCord
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE-300,DRONM 4ozClr-NoPres	Remarks	Sample # (lab only)
SB-9-S-0-0.5-210614	G	SS	0.5'	6-14-21	1100	1	X		-01
SB-5-S-0-0.5-210614	G	SS	0.5'		1350	1	X		-02
SB-5-S-1.5-210614	G	SS	1.5'		1405	1	X		-03
SB-3-S-0-0.5-210614	G	SS	0.5'		1415	1	X		-04
SB-3-S-2-210614	G	SS	2'		1425	1	X		-05
SB-2-S-0-0.5-210614	G	SS	0.5'		1435	1	X		-06
SB-2-S-2-210614	G	SS	2'		1445	1	X		-07
SB-2-S-3.25-210614	G	SS	3.25'		1500	1	X		-08
SB-4-S-0-0.5-210615	G	SS	0.5'	6-15-21	1015	1	X		-09
SB-4-S-2-210615	G	SS	2'	6-15-21	1030	1	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	6-15-21	1045			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.3-1=0.2 °C	Bottles Received: 16
	6-15-21	17:00			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/16/21	Time: 830
			Jasmine Zuniga		

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - TX

10205 Westheimer Road
Suite 800
Houston. TX 77042

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Scott Foord**

Email To: **william.foord@arcadis.com;sarah.johnson@arc**

Project Description: **Reid Well No. 1**

City/State Collected: **Loving, NM**

Please Circle: PT MT CT ET

Phone: **713-953-4750**

Client Project # **30089351**

Lab Project # **CHEVARCA-REID#1**

Collected by (print): **Justin Nixon**

Site/Facility ID # **REID #1**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day X Standard

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

CHLORIDE-300,DRONM 4ozClr-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE-300,DRONM 4ozClr-NoPres	Remarks	Sample # (lab only)
SB-4-5-4-210615	G	SS	4'	6-15-21	1040	1	X		-4
SB-8-5-0-0.5-210615	G	SS	.5'		1120	1	X		-02
SB-8-5-2-210615	G	SS	2'		1145	1	X		-03
SB-8-5-4-210615	G	SS	4'		1230	1	X		-04
SB-1-5-0-0.5-210615	G	SS	.5'		1305	1	X		-05
SB-1-5-0-0.75-210615	G	SS	.75'	↓	1325	1	X		-06
		SS				1	X		
		SS				1	X		
		SS				1	X		
		SS				1	X		

Chain of Custody Page 2 of 2

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SDG # L1366456

Table #

Acctnum: **CHEVARCA**

Template: **T188132**

Prelogin: **P848950**

PM: **526 - Chris McCord**

PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature)	6-15-21	1645	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	6-16-21	17:00	Received by: (Signature)	Temp: 0.3-1.3 °C Bottles Received: 16
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Jasmine Fuqua	Date: 6/16/21 Time: 830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

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 102046

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 102046
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Incident NMLB0616535537 REID #001 was closed on 8/25/2016. The incident was closed under OCD Environmental guidelines/practices at the time of the release per Robert Hamlet.	3/8/2023