

Armando Martinez Operations Lead, Portfolio Operations Central

**INFORMATION ONLY** 

#### VIA ELECTRONIC MAIL

January 5, 2023

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

Re: Candelario 24-1 Battery 2022 Subsequent Soil Assessment Report 2RP-4201 Eddy County, New Mexico

Dear whom it concerns,

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

• Candelario 24-1 Battery – 2022 Subsequent Soil Assessment Report

The 2022 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 Sarah Johnson with Arcadis at 432.227.0266 or myself at 575.586.7639, should you have any questions.

Sincerely,

ando mat.

Armando Martinez

- Encl. Candelario 24-1 Battery, 2RP-4201 2022 Subsequent Soil Assessment Report
- cc. Amy Barnhill, Chevron/MCBU

Armando Martinez Operations Lead Central Portfolio Operations - Central 354 State Highway 38, Questa, NM 87556-0469 Tel 575 586 7639 Mobile 505 690 5408 Fax 575 586 0811 amarti@chevron.com 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	NAB1713157779
District RP	2RP-4201
Facility ID	30-015-26536
Application ID	pAB1713157706

## **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): NAB1713157779
Contact mailing address: P.O. Box 469 Questa, NM 87564	•

### **Location of Release Source**

Latitude 32.292795

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Candelario 24-1 Battery	Site Type: Tank Battery
Date Release Discovered: May 9, 2017	API# ( <i>if applicable</i> ): 30-015-26536

Unit Letter	Section	Township	Range	County
D	24	23S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: <u>Mosaic Potash</u>)

## Nature and Volume of Release

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

Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls) ~30 bbls	Volume Recovered (bbls) ~25 bbls
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) ~30 bbls     Is the concentration of dissolved chloride in the produced water >10,000 mg/l?     Volume Released (bbls)     Volume Released (Mcf)

Cause of Release: On May 9, 2017, a release of 30 barrels (bbls) of produced water was discovered at the Site due to the failure of a one-inch diameter ball valve on the triplex pump. The produced water was contained inside the lined earthen firewall. Initial response included Rockcliff personnel shutting off triplex pump to replace the valve and coordinating with a vacuum truck to recover standing fluids.

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Received by OCD: 1/11/2023 12:35:38 PM<br/>Form C-141Page 2Page 2Oil Conservation DivisionIncident IDNAB1713157779<br/>District RPDistrict RP2RP-4201Facility ID30-015-26536<br/>Application IDApplication IDpAB1713157706

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? <b>Release volume is greater than 25 bbls.</b>
🛛 Yes 🗌 No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? ed Mike Bratcher, Maria Pruett, and Shelly Tucker via email on September 16, 2018.

## **Initial Response**

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

 $\boxtimes$  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: <u>Armando Martinez</u>	Title: Project Manager
Signature: Charlo The	Date: <u>1-5-2023</u>
email: <u>amarti@chevron.com</u> 7	Celephone: <u>575.586.7639</u>
OCD Only	
Received by:	Date:

# 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?	<u>30</u> (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 <b>not</b> 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.

#### <u>Characterization Report Checklist</u>: 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 <sup>1</sup>/<sub>2</sub>-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

<b>Received by OCD: 1/11/2023</b>	12:35:38 PM
Form C-141	State of New Mexico
Page 4	Oil Conservation Division

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Page 5 of 230

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.

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: <u>Armando Martinez</u>	Title: <u>Project Manager</u>
Signature: Charle The	Date: <u>1-5-2023</u>
email: <u>amarti@chevron.com</u> Tel	ephone: <u>575.586.7639</u>
OCD Only	
Received by: Jocelyn Harimon	Date:01/11/2023



Chevron Environmental Management Company

# 2022 Subsequent Soil Assessment Report

Candelario 24-1 Battery Eddy County, New Mexico NMOCD Case No. 2RP-4201

January 5, 2023

**Candelario 24-1 Battery** 

January 5, 2023

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: 30137969

Sarah Johnson Certified Project Manager

- 2001 nVI

Scott Foord, P.G. Program Manager

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# Contents

4	Summary	2
3	3.1 Chloride	1
3	2022 Soil Analytical Results	1
2	2022 Soil Assessment	1
1	Introduction	1

# **Tables**

# **Figures**

Figure 1.	Site Location Map
Figure 2.	Soil Boring Location Map – September 2022
Figure 3.	Soil Analytical Results Map – September 2022

# **Appendices**

- Appendix A. Initial Investigation Activities and Initial C-141 Form
- Appendix B. Soil Boring Logs
- Appendix C. Cumulative Soil Analytical Results
- Appendix D. Soil Laboratory Report

# **1** Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this 2022 Soil Assessment Report (Report), on behalf of Chevron Environmental Management Company (CEMC), summarizing soil assessment activities for the Candelario 24-1 Battery (Site) release.

The Site is approximately two miles east of Loving, New Mexico. The Site is in Bureau of Land Management legal description Unit D, Section 24, Township 23 South, Range 28 East, Eddy County, New Mexico. A Site location map is included as **Figure 1**. According to the New Mexico Office of the State Engineers (NMOSE) database, there is a water well on the Site pad with a reported depth to groundwater of 37 feet below ground surface (bgs).

A Site background summary detailing the initial soil investigation activities and initial C-141 Form are included in **Appendix A**.

# 2 2022 Soil Assessment

On September 7-9, 2022, Arcadis personnel collected 105 soil samples from seven locations (SB-24 through SB-30) surrounding the former tank battery location. The soil boring locations were determined based on the analytical results from the previous assessments. The soil borings were advanced using air rotary equipment. Soil samples were collected at depths ranging from the surface (0-0.5' bgs) to approximately 30 feet bgs. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS). The boring logs and monitoring well construction logs are provided in **Appendix B**. The soil samples were collected in four-ounce jars provided by Pace Analytical Laboratory (Pace) in Mt. Juliet, Tennessee. Upon receival by the laboratory, the soil samples were analyzed for chloride by USEPA Method 300. The soil cuttings were returned to the respective boring locations. The soil boring locations are presented in **Figure 2**.

# 3 2022 Soil Analytical Results

The soil analytical results were compared to the revised New Mexico Administrative Code (NMAC) closure screening levels for the specific analytical constituents specified in *Table 1 – Closure Criteria for Soils Impacted by a Release* within revised Rule 19.15.29. For this Site, chloride is the only constituent of concern, compared to the screening levels for sites with a depth to groundwater less than 50 feet bgs. A summary of the soil sample analytical results is presented in **Table 1**. Cumulative soil analytical results are presented in **Appendix C**. Copies of the certified analytical reports and chain-of-custody documentation from Pace are presented in **Appendix D**. The soil analytical map is presented in **Figure 3**.

# 3.1 Chloride

Chloride exceeded the NMAC closure screening level of 600 milligrams per kilogram (mg/kg) in 32 of the 105 soil samples at concentrations ranging from 620 mg/kg at SB-29 (28 feet bgs) to 8,660 mg/kg at SB-28 (0 feet bgs).

# 4 Summary

Analytical results associated with recent assessment activities conducted in 2022 indicate that the horizontal and vertical extent of chloride impact in the soil and groundwater have not been fully delineated at the Site. Additional assessment activities will be evaluated, and a proposed scope will be included in a Work Plan that will be submitted to the New Mexico Oil Conservation Division for review and approval.

# **Tables**

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Table 12022 Soil Analytical ResultsCandelario 24-1 BatteryEddy County New Mexico



Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride (mg/kg)
NM	AC Standards		600
SB-24-S-0-220907	0'	09/07/22	976
SB-24-S-4-220907	4'	09/07/22	403
SB-24-S-6-220907	6'	09/07/22	57.7 P1
SB-24-S-8-220907	8'	09/07/22	13.8 J
SB-24-S-10-220907	10'	09/07/22	11.5 J
SB-24-S-12-220907	12'	09/07/22	24.1
SB-24-S-14-220907	14'	09/07/22	116
SB-24-S-16-220907	16'	09/07/22	116
SB-24-S-18-220907	18'	09/07/22	53.0
SB-24-S-20-220907	20'	09/07/22	129
SB-24-S-22-220907	22'	09/07/22	29.1
SB-24-S-24-220907	24'	09/07/22	36.1
SB-24-S-26-220907	26'	09/07/22	30.7 P1
SB-24-S-28-220907	28'	09/07/22	23.2 J
SB-24-S-30-220907	30'	09/07/22	26.5
SB-25-S-0-220908	0	09/08/22	<25.1
SB-25-S-4-220908	4'	09/08/22	38.7
SB-25-S-6-220908	6'	09/08/22	36.9
SB-25-S-8-220908	8'	09/08/22	11.0 J
SB-25-S-10-220908	10'	09/08/22	62.3
SB-25-S-12-220908	12'	09/08/22	45.3
SB-25-S-12-220908	14'	09/08/22	140
SB-25-S-16-220908	16'	09/08/22	51.7
SB-25-S-18-220908	18'	09/08/22	42.2
SB-25-S-20-220908	20'	09/08/22	83.0
SB-25-S-22-220908	22'	09/08/22	67.3
SB-25-S-24-220908	24'	09/08/22	43.2
SB-25-S-26-220908	26'	09/08/22	<22.7
SB-25-S-28-220908	28'	09/08/22	54.7
SB-25-S-30-220908	30'	09/08/22	<23.4 P1
SB-26-S-0-220908	0	09/08/22	1,520
SB-26-S-4-220908	4'	09/08/22	1,470
SB-26-S-6-220908	6'	09/08/22	138
SB-26-S-8-220908	8'	09/08/22	96.9
SB-26-S-10-220908	10'	09/08/22	24.5
SB-26-S-12-220908	12'	09/08/22	57.4
SB-26-S-14-220908	14'	09/08/22	35.6
SB-26-S-16-220908	16'	09/08/22	19.0 J
SB-26-S-18-220908	18'	09/08/22	187
SB-26-S-20-220908	20'	09/08/22	118 J3
SB-26-S-22-220908	22'	09/08/22	221
SB-26-S-24-220908	24'	09/08/22	90.7
SB-26-S-26-220908	26'	09/08/22	<21.7
SB-26-S-28-220908	28'	09/08/22	74.1
	30'		92.0
SB-26-S-30-220908		09/08/22	92.0

**ARCADIS** 

Table 12022 Soil Analytical ResultsCandelario 24-1 BatteryEddy County New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride
NIM	AC Standards	(mg/kg) 600	
		09/08/22	5,600
SB-27-S-0-220908	4'		949
SB-27-S-4-220908	6'	09/08/22	
SB-27-S-6-220908	8'	09/08/22	384 432
SB-27-S-8-220908	10'	09/08/22	432 794 J3
SB-27-S-10-220908	12'	09/08/22	232
SB-27-S-12-220908	14'	09/08/22	232
SB-27-S-14-220908	14	09/08/22	-
SB-27-S-16-220908	18	09/08/22	658
SB-27-S-18-220908	-	09/08/22	329
SB-27-S-20-220908	20'	09/08/22	345
SB-27-S-22-220908	22'	09/08/22	745
SB-27-S-24-220908	24'	09/08/22	4,480
SB-27-S-26-220908	26'	09/08/22	5,090
SB-27-S-28-220908	28'	09/08/22	3,980
SB-27-S-30-220908	30'	09/08/22	531
SB-28-S-0-220908	0	09/08/22	8,660
SB-28-S-4-220908	4'	09/08/22	1,800
SB-28-S-6-220908	6'	09/08/22	1,030
SB-28-S-8-220908	8'	09/08/22	890
SB-28-S-10-220908	10'	09/08/22	982
SB-28-S-12-220908	12'	09/08/22	193
SB-28-S-14-220908	14'	09/08/22	148
SB-28-S-16-220908	16'	09/08/22	186
SB-28-S-18-220908	18'	09/08/22	524
SB-28-S-20-220908	20'	09/08/22	350
SB-28-S-22-220908	22'	09/08/22	379
SB-28-S-24-220908	24'	09/08/22	327
SB-28-S-26-220908	26'	09/08/22	383
SB-28-S-28-220908	28'	09/08/22	386
SB-28-S-30-220908	30'	09/08/22	442
SB-29-S-0-220909	0	09/09/22	7,880
SB-29-S-4-220909	4'	09/09/22	1,180
SB-29-S-6-220909	6'	09/09/22	890
SB-29-S-8-220909	8'	09/09/22	1,310
SB-29-S-10-220909	10'	09/09/22	1,110 J3 J5
	12'	09/09/22	636
SB-29-S-12-220909 SB-29-S-14-220909	14'	09/09/22	888
	16'	09/09/22	781
SB-29-S-16-220909	18'		320
SB-29-S-18-220909	20'	09/09/22	98.8
SB-29-S-20-220909	20	09/09/22	
SB-29-S-22-220909	22	09/09/22	160
SB-29-S-24-220909	24 26'	09/09/22	162
SB-29-S-26-220909	26	09/09/22	740
SB-29-S-28-220909	28 <sup>-</sup> 30 <sup>-</sup>	09/09/22	620
SB-29-S-30-220909	50	09/09/22	1,500

Table 12022 Soil Analytical ResultsCandelario 24-1 BatteryEddy County New Mexico



Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride
			(mg/kg)
NM	AC Standards		600
SB-30-S-0-220909	0	09/09/22	2,220
SB-30-S-4-220909	4'	09/09/22	1,860
SB-30-S-6-220909	6'	09/09/22	1,200
SB-30-S-8-220909	8'	09/09/22	1,590
SB-30-S-10-220909	10'	09/09/22	719
SB-30-S-12-220909	12'	09/09/22	145
SB-30-S-14-220909	14'	09/09/22	258
SB-30-S-16-220909	16'	09/09/22	200
SB-30-S-18-220909	18'	09/09/22	121
SB-30-S-20-220909	20'	09/09/22	294
SB-30-S-22-220909	22'	09/09/22	48.2
SB-30-S-24-220909	24'	09/09/22	70.9
SB-30-S-26-220909	26'	09/09/22	26.6
SB-30-S-28-220909	28'	09/09/22	72.1
SB-30-S-30-220909	30'	09/09/22	77.3

#### Legend:

Bold and italicized analytes exceeds NMAC Standards

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

NMAC : New Mexico Administration Code

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

P1: RPD value not applicable for sample concentrations less than 5 times the reporting limit.

mg/kg: Milligram per Kilogram " ' " : Indicates one foot bgs: below ground surface

Notes:

1. Chloride analyzed by Method 300.0

# **Figures**

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#### Page 18 of 230



Initial Investigation Activities and Initial C-141 Form

Appendix A



On May 9, 2017, a release of 30 barrels (bbls) of produced water was discovered at the Site due to the failure of a one-inch diameter ball valve on the triplex pump. The produced water was contained inside the lined earthen firewall. Initial response included Rockcliff personnel shutting off triplex pimp to replace the valve and coordinating with a vacuum truck to recover standing fluids. Approximately 25 bbls were recovered and disposed of at a New Mexico Oil Conservation Division (NMOCD) approved facility. The initial C-141 Form was approved with conditions and assigned remediation permit number 2RP-4201.

On June 14, 2017, Kane Environmental Engineering Inc. (Kane) collected soil samples at five locations (S1 through S5) within the spill area. The soil samples were screened in the field for hydrocarbons using a photoionization detector (PID) and chloride using an electrical conductivity (EC) meter. The soil samples were analyzed by Cardinal Laboratories for benzene, toluene, ethylbenzene and total xylenes (BTEX); total petroleum hydrocarbons (TPH) including gasoline range organics (GRO), diesel range organics (DRO) and oil range organics (ORO); and chloride by United States Environmental Protection Agency (USEPA) Methods 8021, 8015 and 300 respectively. Kane excavated approximately fifteen test holes to evaluate the integrity of the liner. Based on the reported observations, the liner appeared to be intact. The analytical results indicated that further assessment was necessary. Kane submitted the *Investigation Report and Corrective Action Plan for the Candelario 24-1 SWD* to the NMOCD in June 2017.

On March 28, 2018, Souder, Miller & Associates (SMA) installed two soil borings within the lined earthen firewall of the tank battery. A total of seven soil samples were collected for laboratory analysis for chloride using USEPA Method 300.0. A total of five soil samples were collected for BTEX using USEPA Method 8021B, and TPH for ORO, DRO, and GRO by USEPA Method 8015D.

Results of the soil investigation indicated that chloride impacts extended to between 5 and 14 feet bgs. Impacted soil was excavated and removed to a depth of 4 feet bgs within the original bermed tank battery area. After the initial excavation, Rockliff constructed a new saltwater disposal (SWD) facility in August 2018. The new tank battery is located over the former excavated area and encompasses a smaller area with a liner.

Composite sidewall samples were collected on an unknown date by SMA from the boundaries of the old facility after the new facility was constructed. Confirmation samples were comprised of five-point composites of the walls (SW1 – SW10). The laboratory results for the confirmation samples indicated that impacts extend beyond the excavation (and former tank battery footprint). The new tank battery was constructed within an area requiring additional assessment. SMA requested deferral of further remediation until the well is no longer in use and the new facilities are removed. SMA submitted a closure request titled *Remediation Closure Report for the Candelario* #1 SWD Release, dated September 27, 2018 to the NMOCD in September of 2018.

On May 30, 2019, Arcadis, on behalf of CEMC, submitted a Site Deferral Request to the NMOCD. The Site Deferral Request was approved on July 23, 2019 with the following conditions; install additional delineation soil borings around the previously excavated area, install additional soil borings at sample locations B1 and B2 and collect soil samples in more discrete sample intervals at those two locations.

On September 29 and 30, 2020, Arcadis personnel collected 60 soil samples at 12 locations (SB-1 through SB-12) within the release area. The soil boring locations were determined based on information available on the Initial C-141 Form and from historical 2017 and 2018 soil investigations. The soil borings were advanced using air rotary equipment. Soil samples were collected at depths ranging from the surface (0-0.5' bgs) to approximately 20 feet bgs. Upon receival by the laboratory, the soil samples were analyzed for chloride by the USEPA Method 300. Analytical results associated with the 2020 assessment activities indicated that horizontal and vertical extent of chloride impact in the soil has not been fully delineated. Appendix A



On August 17 and 18, 2021, Arcadis personnel collected 69 soil samples from 13 locations (SB-13 through SB-23, TMW-1 and TMW-2) within the release area. The soil boring locations were determined based on the analytical results from the previous assessments. The soil borings were advanced using air rotary equipment. Soil samples were collected at depths ranging from the surface (0-0.5' bgs) to approximately 20 feet bgs and to approximately 30 feet bgs at the two soil borings that were completed as temporary monitoring wells (TMW-1 and TMW-2). The soil cuttings were returned to the respective boring locations. Upon receival by the laboratory, the soil samples were analyzed for chloride by USEPA Method 300, and the groundwater samples were analyzed for chloride by USEPA Method 300 and total dissolved solids (TDS) by USEPA Method 2540C. Analytical results associated with the 2021 assessment activities indicated that horizontal and vertical extent of chloride impact in the soil and groundwater has not been fully delineated.

#### NM OIL CONSERVATION

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	1 / 2 / A /	ARTESIA DISTRI	
District II Energy Mine	e of New Mexico rals and Natural Resources	MAY 0 9 201	
811 S. First St., Artesia, NM 88210 District III Oil Co	nservation Division	Submit 1 Copy	y to appropriate District Office in
	outh St. Francis Dr.	RECEIVED	coordance with 19.15.29 NMAC.
	ta Fe, NM 87505	<u> </u>	·······
Release Notifica	tion and Corrective A	Action	
NHB1713157779	OPERATOR		al Report 🔲 Final Report
Name of Company Lock week Energy 37/115 Address 1301 Next new Surte 1300 Harston 4x 92	Contact SonATHON 104 Telephone No. 575.317	Solts	
Facility Name CANDELARD # 1 SUD DATTERY	Facility Type Sw9	- 1110	
Surface Owner Mosaic lot as Mineral Ow	mer Mosnic lotash	API No	30. 015.26536
	TION OF RELEASE		
	Jorth/South Line Feet from the	East/West Line	County
24 235 28E	4980'	660'	EDDY
Latitude 32.292795	Longitude -104.047139	NAD83	
NATU	RE OF RELEASE		
Type of Release QV	Volume of Release 30	Volume	Recovered 15
Source of Release TANK 0 Aw off Was Immediate Notice Given?	If YES, To Whom? Ma	A 9 9 Dia	May 9 2017
Yes 🗌 No 🗋 Not Req	uirea _ Crystac WEA	jej	<u> </u>
By Whom? Jonathon Solis Was a Watercourse Reached?	Date and Hour <u>1100</u> If YES, Volume Impacting	a max 201	7
		g me watercourse.	
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*			
I BALL VALVE which out on the place,	shut primp off		
Describe Area Affected and Cleanup Action Taken.*	······································		
soll was convertinal inste flewall, var	-sance came to loc	Aton to such	- PW from abound
open was convertined inside freman, vac & named to osposar. Instan new	It where & plug change	dout	J
I hereby certify that the information given above is true and comple regulations all operators are required to report and/or file certain rel			
public health or the environment. The acceptance of a C-141 report	by the NMOCD marked as "Final	Report" does not rel	lieve the operator of liability
should their operations have failed to adequately investigate and rem or the environment. In addition, NMOCD acceptance of a C-141 re			
federal, state, or local laws and/or regulations.		ICEDIZATION	
$\Lambda Q -$	<u>OIL COI</u>	NSERVATION	
Signature:		- · · · C / /	AMM
Printed Name: JONATHON DUS	Approved by Environmental	Specialist: W	JOIRY -
Title: Fire FOLGMAN	Approval Date: 51011	Expiration	Pate: NIA
E-mail Address: " Wathon Solis & cocketiff energy	Conditions of Approval:	1	Attenhed
Date: 9 WAY 2019 Phone: 575.317.14		red	Attached (X
* Attach Additional Sheets If Necessary		·	2RP- 4201

#### Operator/Responsible Party,

The OCD has received the form C-141 you provided on **5/9/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number  $\frac{\partial RP - 4\partial OI}{\partial P - 4\partial OI}$  has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 6/9/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

#### Weaver, Crystal, EMNRD

From: Sent: To: Subject: Attachments: Jonathon Solis <jonathon.solis@rockcliffenergy.com> Tuesday, May 9, 2017 5:53 PM Weaver, Crystal, EMNRD FW: FORM C 141 NMOCD FORM C141.pdf

Crystal

I mistyped your email address, the first time I sent it to you.

THANK YOU JONATHON ROCKCLIFF ENERGY FIELD FOREMAN 575.317.1198

From: Jonathon Solis Sent: Tuesday, May 09, 2017 6:49 PM To: 'Crystal Weaver' <crystal.weaver@ststae.nm.us>; 'Mike Bratcher' <mike.bratcher@state.nm.us> Cc: Mike Martin <mike.martin@rockcliffenergy.com> Subject: FORM C 141

CRYSTAL

This is Jonathon Solis, I work for Rockcliff Energy. I spoke to you today on the phone and I'm submitting the Form C 141. Brief overview:

Rockcliff pumper checking the lease, drove onto Candelario 24 #1 SWD Battery and saw the tank overflowing. The PW spill was inside firewall. He turned off the tri-plex and found a 1" ball valve was washed out. He called a vac truck to clean up area. He then notify Rockcliff management about the PW spill inside the firewall. I contacted you, Ms. Weaver. Pumper has changed 1" ball valve and cleaned up the PW spill.

THANK YOU JONATHON ROCKCLIFF ENERGY FIELD FOREMAN 575.317.1198



Soil Boring Logs

Dril Dril Dril San	Drilling Company: Harrison Cooper Drilling Driller's Name: Kenny Cooper Drilling Method: Air Rotary Sampling Method: Grab Rig Type: N/A					er Drill	ing	Latitude: 32.292454 Longitude: -104.047866 Casing Elevation: Not Surveyed Borehole Depth: 30' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Corr	D: SB24 vron Environmental Management npany Candelario 24-1 Battery
	DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description		Well/Boring Construction
[		]	0'					Gravel Sand (Pad); 7.5 YR 7/3 Pink, trace silt, sand, with gravel and p coarse grain, subrounded, loose, hard, dry	ebbles, mostly	
E	-		2'			GM		Silty Sand; 7.5 YR 5/4 Brown, very fine to fine grain, trace small pebbl sorted, subrounded to subangular, loose, medium stiff, dry	es, moderately	
5	-5 -		4'			SM		Sandy Gravel, 7.5 YR 7/3 Pink, sand with some gravel and pebbles, p subrounded, loose, very fine to fine grain, trace medium grain, hard, d		
-	-		6'							
	- -10 -		8' 10'			GM		Sandy Gravel, 7.5 YR 8/2 Pinkish White, medium to coarse grain sand pebbles, subrounded, trace subangular, poorly sorted, medium stiff to dry		
-	-		12'					Sandy Silt; 7.5 YR 8/3 Pink, very fine to fine grain with trace small peb powdery, soft, poor to moderately sorted, dry	obles, loose,	
- 15	-15 -		14'			ML				
-	_		16'							
	-		18'			CL	[.].  .].	Sandy Clay; 7.5 YR 5/4 Brown, very fine to fine grain, rounded to subro cohesive, medium stiff to soft, moderately sorted, slight trace of small moist		
- 20	-20 <b>-</b>		20'					Sand; 7.5 YR 6/3 Light Brown, fine grain, well rounded, well sorted, lo slightly moist	ose, soft,	
_	-		22'			sw				
- 25 -	-25 -		24' 26'							
-	-		28'					Sand; 7/5 YR 6/4 Light Brown, fine to medium grain, trace coarse grai rounded to rounded, well sorted, loose, medium stiff, moist, trace sma		
30-			30'			SM		Founded to rounded, well sorted, loose, medium stiff, moist, trace sma End of boring @ 30' bgs	an pendles	



Remarks: 1. Below Ground Surface (bgs)

Project: 30137969.00003 Template: LPTemplate3.1 Data File: Candelario 24-1 Battery SB24 Date: 9/26/2022 Released to Imaging: 3/20/2023 12:21:30 PM

Created/Edited by: Nadja Cintron Franqui

Date Start Drilling Co Driller's N Drilling M Sampling Rig Type:	ompany: ame: ethod: Method	: H Kenn Air F	)-08-20; arrison y Coop Rotary Grab	Coope	r Drill	ing	Longitu Casing Boreho Surface	e: 32.292454 ide: -104.047866 Elevation: Not Surveyed le Depth: 30' Elevation: Not Surveyed stions By: Sarah Nolen	Well/Boring ID: SB25 Client: Chevron Environmental Managemer Company Location: Candelario 24-1 Battery		
рертн	Sample Run Number	Sample/Int/Type	Recovery (feet)	DIA	USCS Code	Geologic Column		Stratigraphic Description		Well/Boring Construction	
-0 0-		0'			ML	: :	Sandy Silt; 7.5 YR 6/ subrounded to subar	4 Light Brown, very fine to fine grain, trace gular, poorly sorted, medium stiff, slightly,	gravel to pebbles, cohesive, moist		
-					SM	HHHHH HHHHHH		Light Redish Brown, very fine to fine grain, tely to well sorted, soft, slightly cohesive, o			
-5 -5 -		4'			SIVI	HHHHH HHHHH					
-		6'			GM	H	Gravel Silty Sand; 7. and gravel, poorly so	5 YR 7/3 Pink, fine to medium grain with so tted, medium stiff, loose, subroounded to s	ome mixed pebbles subangular, dry		
- 10 -10		8'				HHHHH HHHHH	Silty Sand; 7.5 YR 8/ loose, hard, dry	4 Pink, pebbles to gravel, fine to medium g	grain, poorly sorted,		
-		10'				HHHHH HHHHH					
-		12' 14'				HHHHH HHHHH	Silly Sand: 10 VB 7/	Pale Light Brown, with gravel and pebble	c fina ta madium		
15 <i>-15 -</i>		14				HHHHHH HHHHHHH		o subangular, poorly sorted, hard, dry	s, line to medium		
-		18'			SM	HHHHH HHHHH					
_ 20 <i>_20 _</i>		20'				HHHHH HHHHH					
-		22'				HHHHH HHHHH					
-		24'					Silty Sand; 10 YR 7/3	3 Very Pale Brown, very fine to some fine g to well sorted, soft, loose, dry	rain, trace small		
25 - <i>25</i> - -		26'				HHHHHH HHHHHH	,	, 100, 1000, 0);			
-		28'			sw	H H H		y Pale Brown, fine to medium grain, occas orted, medium stiff, loose, moist	ionally coarse grain,		
<del>-30 - <i>30</i> -</del>		30'				<b>::::</b>	End of boring @	0 30' bas			



Remarks: 1. Below Ground Surface (bgs)

Project: 30137969.00003 Template: LPTemplate3.1 Data File: Candelario 24-1 Battery\_SB25 Date: 9/26/2022 Released to Imaging: 3/20/2023 12:21:30 PM

Created/Edited by: Nadja Cintron Franqui

ved by O		11/4	023 1	4:55:	:501				Page 29		
Date Start Drilling Co Driller's N Drilling M Sampling Rig Type:	ompany ame: ethod: Method	: H Kenn Air F	9-08-20: larrison y Coop Rotary Grab	Coope	er Drill	ing	Latitude: 32.292454 Longitude: -104.047866 Casing Elevation: Not Surveyed Borehole Depth: 30' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Client: Che Com	Well/Boring ID: SB26 Client: Chevron Environmental Management Company Location: Candelario 24-1 Battery		
DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description		Well/Boring Construction		
-0 0-		0'					Gravel Sand and Silt; 7.5 YR 6/4 Light Brown, very fine to fi gravel, poorly sorted, hard, subangular to subrounded, dry	ne grain with pebbles and			
-					GM		Sand; 7.5 YR 7/3 Pink, fine to very fine grain, some silt, gra sorted, subrounded to subangular, loose, hard, dry	vel, and pebbles, poorly			
-5 -5 -		4'					Sand; 7.5 8/2 Pinkish White, fine to medium grain with gra sorted, subrounded to sunamgular, loose, hard, dry	/el and pebbles, poorly			
-3 -3 -		6'			SM		, , , , . , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , . , , .				
-		8'									
-10 -10 -		10'					Sandy Silt; 10 YR 8/3 Very Pale Brown, very fine to fine gra round to subrounded, moderately sorted, soft, slightly cohe				
-		12'					Sandy Silt; 7.7 YR 8/4 Pink, very fine to fine grain, well sort pebbles, loose, rounded to subrounded, soft, dry				
- 15 -15 -		14'									
-13 -13 -		16'			ML	: :  : : :					
_		18'				: :  : :  : :					
-20 -20 -		20'					Sand with trace clay nodules; 7.5 YR 5/4 Brown, fine grain, rounded, cohesive, with clay nodules, moist	well sorted, well			
-		22'			SM		Sand; 7.5 YR 5/4 Brown, fine grain, well rounded, well sort	ed, cohesive, soft, moist			
- 25 -25		24'			0.44						
		26'			SW						
-		28'					Sand, 7/5 YR 5/4 Brown, fine to medium grain, trace corse moderately sorted, rounded to subrounded, loose, medium				
-30 - 30 -		30'				::::	End of boring @ 30' bgs	~			



Remarks: 1. Below Ground Surface (bgs)

Project: 30137969.00003 Template: LPTemplate3.1 Data File: Candelario 24-1 Battery\_SB26 Date: 9/23/2022 Released to Imaging: 3/20/2023 12:21:30 PM

Created/Edited by: Nadja Cintron Franqui

Page: 1 of 1

Drilling Co Driller's Na Drilling Me Sampling	Date Start/Finish:   09-08-2022     Drilling Company:   Harrison Cooper Drilling     Driller's Name:   Kenny Cooper     Drilling Method:   Air Rotary     Sampling Method:   Grab     Rig Type:   N/A				r Drill	ing	Latitude: 32.292454 Longitude: -104.047866 Casing Elevation: Not Surveyed Borehole Depth: 30' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Well/Boring ID: SB27 Client: Chevron Environmental Ma Company Location: Candelario 24-1 Battery	
DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	Old	USCS Code	Geologic Column	Stratigraphic Description	Well/Borir Constructi	-
		0'			GC		Gravel Sand with Clay, 5 YR 5/4 Reddish Brown, fine to very fine gra pebbles and gravel, well rounded, trace sub angular, trace clay nodu moist, soft to medium stiff	in, some les, slightly	
-5 -5 - 		4' 6'			SM	HEREFERE HEREFERE	Silty Sand with trace Gravel, 5 YR 6/4 Light Reddish Brown, fine to r with some gravel and pebbles, poorly sorted, medium stiff, subangu subrounded, loose, dry Silty Sand; 7.5 YR 7/3 Pink, fine to medium occasionally coarse gra pebbles, poorly sorted, angular to subangular, occasionally subroun medium stiff, dry	ar to  n, some	
- - - 10 -10 -		8' 10'					Sand; 7.5 YR 6/4 Light Brown, fine to medium grain with trace grave subangular to subrounded, medium stiff, poorly sorted, dry Sandy Gravel with trace Silt; 7.5 YR 8/4 Pink, fine to medium grain, subangular, poorly sorted, medium stiff, loose, dry		
- - - 15 -15 -		12' 14'			GM SP		Silty Sand; 7.5 YR 8/3 Pink, very fine to fine grain, some coarse grai poorly sorted, subrounded to subangular, loose, medium stiff, dry	n, moderatly to	
-		16' 18'			SM	HEREFER HEREFER	Silty Sand; 7.5 YR 7/3 Pink, very fine to fine grain, moderately sorted subrounded, slightly cohesive, soft, dry	, rounded to	
- 20 -20 -		20' 22'					Silty Sand; 5 YR 6/3 Light Reddish Brown, fine to very fine grain with moderatly sorted, loose, soft, dry Sand; 5 YR 5/4 Reddish Brown, fine to very fine grain, well sorted, w subrounded, cohesive, soft, moist		
- - 25 - 25 - - -		24' 26'			SW	······································	Sandy Clay, 5 YR 5/4 Reddish Brown, very fine to fine grain, well so rounded, cohesive, soft, moist	ted, well	
- - 		28' 30'			sw		Sand; 5 YR 5/3 Reddish Brown, fine grain, well sorted, well rounded slightly moist End of boring @ 30' bgs	, loose, soft,	



Remarks: 1. Below Ground Surface (bgs)

Project: 30137969.00003 Template: LPTemplate3.1 Data File: Candelario 24-1 Battery\_SB27 Date: 9/26/2022 Released to Imaging: 3/20/2023 12:21:30 PM

Created/Edited by: Nadja Cintron Franqui

Page: 1 of 1

Date Start, Drilling Cc Driller's Na Drilling Me Sampling Rig Type:	ompany ame: ethod: Method	mpany:Harrison Cooper DrillingLongitude:-104.047866Client:						Well/Boring ID: SB29 Client: Chevron Environmental Management Company Location: Candelario 24-1 Battery
ДЕРТН	Sample Run Number	Sample/Int/Type	Recovery (feet)	QId	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
		0'			GM		Sandy Gravel 5YR 5/6 Yellow Red, some pebbles and gravel, trace s fine to fine grains, poorly sorted, subangular to subrounded, soft, loo	
					GP		Gravel with Sand, 5 YR 5/3, Reddish Brown, gravel, fine to medium poorly sorted, subangular to subrounded, medium stiff, dry	grains, no silt,
 _5 _5 _ 		4' 6'			SM		Silty Sand; 7.5 YR 6/4 Pink, fine to medium grain, trace very fine gra pebbles and gravel, poorly sorted, subrounded to subangular, mediu dry Sand; 10 YR 8/4 Very Pale Brown, some pebbles, gravel, trace silt, f grain, subrounded to subangular, poorly sorted, medium stiff, loose,	um stiff, loose, 
		8'			GM		Sandy Gravel and Silt; 7/5 YR 6/6 Reddish Yellow, pebbles to fine gi gravel, poorly sorted, subangular to subrounded, medium stiff, loose	grains, trace
- 10 -10 -		10'					Sand; 7.5 YR 7/4 Pink, Medium to fine grain with some pebbles, sub subangular, medium stiff, loose, dry	brounded to
  - 15 - <i>15</i> -		12' 14'				<mark>, нннннн</mark>	Silty Sand; 7.5 YR 8/4 Pink, fine to very fine grain, moderately to poor rounded to subrounded, trace subangular, medium stiff, loose, dry. 0 towards 18' bgs	orly sorted, Gets slightly dark
		16'			SM	HHHH HHHHH		
-		18'				HHHHHH HHHHHHH	Silty Sand; 10 YR 7/3 Very Oale Brown, fine to very fine grain with tra moderately to poorly sorted, subrounded to rounded, loose, medium	
-20 -20 -		20'				HHHH HHHHH		
-		22' 24'			GP		Sandy Gravel; 10 YR 7/3 Very Pale Brown, poorly sorted, gravel to fi subrounded to subangular, hard, loose, dry Silty Sand; 10 YR 7/3 Very Pale Brown, very fine to fine grain, trace	
- 25 <i>-25</i> -		26'			SM	H H H H H H	and pebbles, moderately to poorly sorted, rounded to subrounded, m loose, dry	
·		28'			CL	HHH	Sandy Clay; 7.5 YR 6/4 Light Brown, medium to fine grain, moderate cohesive, well rounded to subrounded, moist	tely sorted, soft,
		30'				/. /. 	End of boring @ 30' bgs	



Remarks: 1. Below Ground Surface (bgs)

Project: 30137969.00003 Template: LPTemplate3.1 Data File: Candelario 24-1 Battery\_SB29 Date: 9/23/2022 Released to Imaging: 3/20/2023 12:21:30 PM

Created/Edited by: Nadja Cintron Franqui

understand     underst	Drilling Co Driller's Na Drilling Mo Sampling	Date Start/Finish: 09-09-2022 Drilling Company: Harrison Cooper Drilling Driller's Name: Kenny Cooper Drilling Method: Air Rotary Sampling Method: Grab Rig Type: N/A					ing	Latitude: 32.292454 Longitude: -104.047866 Casing Elevation: Not Surveyed Borehole Depth: 30' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen		ID: <b>SB30</b> ironmental Management Company Candelario 24-1 Battery
-5 -5   -5 -5   -6 -7   -7	рертн	Sample Run Number	Sample/Int/Type	Recovery (feet)	DID	USCS Code	Geologic Column	Stratigraphic Description		
			4' 6' 10' 12' 14' 16' 18' 20' 22' 24' 26'			SM		trace pebbles and gravel, subangular to subrounded, poorly sorted, I stiff, dry Sandy Gravel with trace Silt; 7.5 YR 6/4 Light Brown, medium to fine some gravel and pebbles, subrounded to rounded, poorly sorted, me loose, dry Silty Sand; 7.5 YR 8/4 Pink, fine to very fine grain with some pebbles sorted, subrounded to subangular, loose, medium stiff Pebblesly Sand; 7.5 YR 6/4 Light Brown, very fine to fine trace grave pebbles, poor to moderately sorted, subrounded to subangular, loose trace silt, dry Silty Sand; 7.5 YR 8/3 Pink, very fine to fine grain, some small pebbl sorted, subrounded to rounded, loose, medium stiff to soft, dry Silty Sand; 10 YR 8/3 Very Pale Brown, very fine to fine grain, moder some trace small pebbles, subrounded, loose, medium stiff, dry Silty Sand; 10 YR 8/4 Very Pale Brown, very fine to fine grain, moder some trace small pebbles, subrounded, loose, medium stiff, dry Sandy Silt; 10 YR 8/4 Very Pale Brown, very fine to fine grain, moder rounded to subrounded, little pebbles, slightly cohesive, dry	ately sorted, me small	



Remarks: 1. Below Ground Surface (bgs)

.



**Cumulative Soil Analytical Results** 

Released to Imaging: 3/20/2023 12:21:30 PM

Cumulative Soil Analytical Results Chevron Environmental Management Company Candelario 24-1 Battery East Loving, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride	
			(mg/kg)	
	600			
		1	mg/Kg	
SB-1	0-0.5'	09/29/20	9,500	
	4'-5'	09/29/20	2,880	
	9'-10'	09/29/20	2,950	
	14'-15'	09/29/20	388	
	19'-20'	09/29/20	179 F1	
	0-0.5'	09/29/20	14 600	
	4'-5'	09/29/20	14,600 874	
	9'-10'	09/29/20	1,380 F1	
SB-2	14'-15'	09/29/20	450	
	19'-20'	09/29/20	571	
	13-20	03/23/20	511	
	0-0.5'	09/29/20	16,500	
	4'-5'	09/29/20	1,300	
	9'-10'	09/29/20	155	
SB-3	14'-15'	09/29/20	638	
	19'-20'	09/29/20	102	
		00/20/20		
	0-0.5'	09/29/20	2,050 B	
	4'-5'	09/29/20	1,200 B	
	9'-10'	09/29/20	320 B	
SB-4	14'-15'	09/29/20	169 B	
	19'-20'	09/29/20	8.69 B	
	0-0.5'	09/29/20	5,920 B	
	4'-5'	09/29/20	143 B	
05.5	9'-10'	09/29/20	495 B	
SB-5	14'-15'	09/29/20	87.8 B	
	19'-20'	09/29/20	193 B	
	0-0.5'	09/30/20	8,580 F1 B	
	4'-5'	09/30/20	3,270 B	
SB-6	9'-10'	09/30/20	1,030 B	
00-0	14'-15'	09/30/20	316 B	
	19'-20'	09/30/20	86.1 B	
	0-0.5'	09/30/20	519 B	
	4'-5'	09/30/20	2,910 B	
SB-7	9'-10'	09/30/20	405 B	
•	14'-15'	09/30/20	814 B	
	19'-20'	09/30/20	105 B	
		00/00/00		
	0-0.5'	09/29/20	8,800	
	4'-5'	09/29/20	1,110	
SB-8	9'-10'	09/29/20	107	
	14'-15'	09/29/20	124	
	19'-20'	09/29/20	124	





Cumulative Soil Analytical Results Chevron Environmental Management Company Candelario 24-1 Battery East Loving, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride	
	NMAC Standards		(mg/kg)	
	600			
		-	mg/Kg	
SB-9	0-0.5'	09/29/20	7,210	
	4'-5'	09/29/20	228	
	9'-10'	09/29/20	125	
	14'-15'	09/29/20	618	
	19'-20'	09/29/20	124 F1	
	0-0.5'	09/29/20	5,160	
	4'-5'	09/29/20	1,480	
SB-10	9'-10'	09/29/20	1,260	
	14'-15'	09/29/20	445	
	19'-20'	09/29/20	243	
	0.0.5'	00/20/00	1.000 D	
	0-0.5'	09/30/20	1,080 B	
	4'-5' 9'-10'	09/30/20	715 B 371 B	
SB-11	9-10	09/30/20		
	19'-20'	09/30/20 09/30/20	126 244	
	19-20	09/30/20	244	
	0-0.5'	09/30/20	4,570 B	
	4'-5'	09/30/20	943 B	
	9'-10'	09/30/20	2,920 F1 B	
SB-12	14'-15'	09/30/20	7,580 B	
	19'-20'	09/30/20	1,260 B	
			.,	
	0-0.5'	08/18/21	974	
	4'-5'	08/18/21	69.3	
05.40	9'-10'	08/18/21	90.6	
SB-13	14'-15'	08/18/21	385	
	19'-20'	08/18/21	138	
	0-0.5'	08/18/21	11,000 V	
	4'-5'	08/18/21	7,350	
SB-14	9'-10'	08/18/21	1,160	
00 14	14'-15'	08/18/21	283	
	19'-20'	08/18/21	219	
	0-0.5'	08/18/21	554	
	4'-5'	08/18/21	287	
SB-15	9'-10'	08/18/21	97.8	
	14'-15'	08/18/21	26.5	
	19'-20'	08/18/21	65.4	
	0-0.5'	08/18/21	172	
	4'-5'	08/18/21	172	
	9'-10'	08/18/21	21.4	
SB-16	9 -10 14'-15'	08/18/21	21.4 26.5	
	19'-20'	08/18/21	31.0	
	10-20	00/10/21	01.0	
	1	1		



Cumulative Soil Analytical Results Chevron Environmental Management Company Candelario 24-1 Battery East Loving, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date		
			Chloride	
	NMAC Standards		(mg/kg)	
	600			
	0.0.51	00/40/04	mg/Kg	
SB-17	0-0.5'	08/18/21	172	
	4'-5'	08/18/21	75.1	
	9'-10'	08/18/21	193	
	14'-15'	08/18/21 08/18/21	63.2	
	19'-20'	00/10/21	138	
SB-18	0-0.5'	08/19/21	83.1	
	4'-5'	08/19/21	118	
	9'-10'	08/19/21	37.1	
	14'-15'	08/19/21	104	
	19'-20'	08/19/21	89.1	
		00/10/21	00.1	
	0-0.5'	08/19/21	329	
	4'-5'	08/19/21	253	
CD 40	9'-10'	08/19/21	78.9	
SB-19	14'-15'	08/19/21	130	
	19'-20'	08/19/21	293	
	0-0.5'	08/19/21	1,340	
	4'-5'	08/19/21	724	
SB-20	9'-10'	08/19/21	580	
38-20	14'-15'	08/19/21	288	
SB-21	19'-20'	08/19/21	555	
	0-0.5'	08/19/21	795	
	4'-5'	08/19/21	4,050	
	9'-10'	08/19/21	1,250	
	14'-15'	08/19/21	3,530 J3 V	
	19'-20'	08/19/21	1,420	
	0-0.5'	08/19/21	<9.89	
	4'-5'	08/19/21	73.5	
	4 -5 9'-10'	08/19/21	1,190	
SB-22	14'-15'	08/19/21	333	
	14-15	08/19/21	137	
	13-20	00/13/21	107	
	0-0.5'	08/19/21	68.9	
	4'-5'	08/19/21	1,540	
	9'-10'	08/19/21	404	
SB-23	14'-15'	08/19/21	680	
	19'-20'	08/19/21	491	
	0-0.5'	08/17/21	31.8	
	4'-5'	08/17/21	1,570	
	9'-10'	08/17/21	721	
TMW-1	14'-15'	08/17/21	1,980	
	19'-20'	08/17/21	81.8	
	24'-25'	08/17/21	231	
	29'-30'	08/17/21	97.0	


Table 1

Cumulative Soil Analytical Results Chevron Environmental Management Company Candelario 24-1 Battery East Loving, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride		
	(1661 593)		(mg/kg)		
	NMAC Standards		600		
-			mg/Kg		
	0-0.5'	08/18/21	<11.6		
	4'-5'	08/18/21	82.6		
	9'-10'	08/18/21	38.3		
TMW-2	14'-15'	08/18/21	44.4		
	19'-20'	08/18/21	559		
	24'-25'	08/18/21	202		
	29'-30'	08/18/21	1,030		
	0'	09/07/22	976		
	4'	09/07/22	403		
	6'	09/07/22	57.7 P1		
	8'	09/07/22	13.8 J		
	10'	09/07/22	11.5 J		
	12'	09/07/22	24.1		
	14'	09/07/22	116		
00.04	16'	09/07/22	116		
SB-24	18'	09/07/22	53.0		
	20'	09/07/22	129		
	22'	09/07/22	29.1		
	24'	09/07/22	36.1		
	26'	09/07/22	30.7 P1		
	28'	09/07/22	23.2 J		
	30'	09/07/22	26.5		
	0'	09/08/22	<25.1		
	4'	09/08/22	38.7		
	6' 8'	09/08/22	36.9		
	8 10'	09/08/22	11.0 J		
	10	09/08/22 09/08/22	62.3 45.3		
	12	09/08/22	140		
	16'	09/08/22	51.7		
SB-25	18'	09/08/22	42.2		
	20'	09/08/22	83.0		
	22'	09/08/22	67.3		
	24'	09/08/22	43.2		
	26'	09/08/22	<22.7		
	28'	09/08/22	54.7		
	30'	09/08/22	<23.4 P1		
	0'	09/08/22	1,520		
	4'	09/08/22	1,470		
	6'	09/08/22	138		
	8'	09/08/22	96.9		
	10' 12'	09/08/22	24.5		
	12	09/08/22	57.4 35.6		
	14	09/08/22	19.0 J		
SB-26	18'	09/08/22	187		
	20'	09/08/22	118 J3		
	22'	09/08/22	221		
	24'	09/08/22	90.7		
	26'	09/08/22	<21.7		
	28'	09/08/22	74.1		
	30'	09/08/22	92.0		





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Cumulative Soil Analytical Results Chevron Environmental Management Company Candelario 24-1 Battery East Loving, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride
			(mg/kg)
	NMAC Standards		600
			mg/Kg
	0'	09/08/22	5,600
	4'	09/08/22	949
	6'	09/08/22	384
	8'	09/08/22	432
	10'	09/08/22	794 J3
	12'	09/08/22	232
	14'	09/08/22	267
SB-27	16'	09/08/22	658
30-27	18'	09/08/22	329
	20'	09/08/22	345
	22'	09/08/22	745
	24'	09/08/22	4,480
	26'	09/08/22	5,090
	28'	09/08/22	3,980
	30'	09/08/22	531
	0'	09/08/22	8,660
	4'	09/08/22	1,800
	6'	09/08/22	1,030
	8'	09/08/22	890
	10'	09/08/22	982
	12'	09/08/22	193
	14'	09/08/22	148
	16'	09/08/22	148
SB-28	18'	09/08/22	524
	20'	09/08/22	350
	20		
	22	09/08/22	379
		09/08/22	327
	26'	09/08/22	383
	28'	09/08/22	386
	30'	09/08/22	442
		00/00/00	
	0'	09/09/22	7,880
	4'	09/09/22	1,180
	6'	09/09/22	890
	8'	09/09/22	1,310
	10'	09/09/22	1,110 J3 J5
	12'	09/09/22	636
	14'	09/09/22	888
SB-29	16'	09/09/22	781
	18'	09/09/22	320
	20'	09/09/22	98.8
	22'	09/09/22	160
	24'	09/09/22	162
	26'	09/09/22	740
	28'	09/09/22	620
	30'	09/09/22	1,500



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Table 1

**Cumulative Soil Analytical Results Chevron Environmental Management Company** Candelario 24-1 Battery East Loving, New Mexico

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Sample I.D. No.	Sample Depth (feet bgs)	Date	Chloride
	(leet bgs)		(mg/kg)
	NMAC Standards		600
			mg/Kg
	0'	09/09/22	2,220
	4'	09/09/22	1,860
	6'	09/09/22	1,200
	8'	09/09/22	1,590
	10'	09/09/22	719
	12'	09/09/22	145
	14'	09/09/22	258
SB-30	16'	09/09/22	200
30-30	18'	09/09/22	121
	20'	09/09/22	294
	22'	09/09/22	48.2
	24'	09/09/22	70.9
	26'	09/09/22	26.6
	28'	09/09/22	72.1
	30'	09/09/22	77.3

Legend:

**BOLD** = Analytes exceeding NMAC standard

F1: MS and/or MSD recovery exceeds control limits

B = The same analyte is found in the associated blank.

J = Result is less than the Reported Detection Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value

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

P1: RPD value not applicable for sample concentrations less than 5 times the reporting limit.

V = The sample concentration is too high to evaluate accurate spike recoveries.

'<' indicates the analyte was not detected at or above the MDL

mg/kg: Milligram per Kilogram

NMAC : New Mexico Administration Code

"'": Indicates one foot ": Indicated inches

bgs: below ground surface

SB : Soil Boring sample

TMW : Temporary Monitoring Well

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**Soil Laboratory Report** 

Released to Imaging: 3/20/2023 12:21:30 PM

Page 41 of 230

ceAnalytical <sup>®</sup> ANALYT	ICAL REPORT	<sup>1</sup> C
		<sup>2</sup> T
Arcadis - Chevron -	NM	<sup>3</sup> S
Sample Delivery Group:	L1534491	<sup>4</sup> C
Samples Received:	09/10/2022	<sup>5</sup> S
Project Number:	30094129	
Description:	Candelario 24-1 Battery	<sup>6</sup> C
Site:	CANDELARIO 24-1 BATTERY	7
Report To:	Sarah Johnson	í e
	1004 N Big Spring Street	8
	Suite 121	
	Midland, TX 79701	°S

## Entire Report Reviewed By:

chu, fogh june

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-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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PROJECT: 30094129

SDG: L1534491 DATE/TIME:

09/20/22 10:36

PAGE: 1 of 30

Page	42	of 230	
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Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
SB24-S-0-220907 L1534491-01	7
SB24-S-4-220907 L1534491-02	8
SB24-S-6-220907 L1534491-03	9
SB24-S-8-220907 L1534491-04	10
SB24-S-10-220907 L1534491-05	11
SB24-S-12-220907 L1534491-06	12
SB24-S-14-220907 L1534491-07	13
SB24-S-16-220907 L1534491-08	14
SB24-S-18-220907 L1534491-09	15
SB24-S-20-220907 L1534491-10	16
SB24-S-22-220907 L1534491-11	17
SB24-S-24-220907 L1534491-12	18
SB24-S-26-220907 L1534491-13	19
SB24-S-28-220907 L1534491-14	20
SB24-S-30-220907 L1534491-15	21
Qc: Quality Control Summary	22
Total Solids by Method 2540 G-2011	22
Wet Chemistry by Method 300.0	24
GI: Glossary of Terms	25
Al: Accreditations & Locations	26
Sc: Sample Chain of Custody	27



PROJECT: 30094129

SDG: L1534491

DATE/TIME: 09/20/22 10:36

PAGE: 2 of 30

## SAMPLE SUMMARY

Page 43 of 230

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SB24-S-0-220907 L1534491-01 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:33	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, TN
Vet Chemistry by Method 300.0	WG1925394	1	09/14/22 12:25	09/14/22 16:40	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB24-S-4-220907 L1534491-02 Solid			Sarah Nolen	09/07/22 11:34	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925394	5.1	09/14/22 12:25	09/14/22 16:49	GEB	Mt. Juliet, TN
SB24-S-6-220907 L1534491-03 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:35	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925267 WG1925394	1 1.01	09/15/22 11:01 09/14/22 12:25	09/15/22 11:19 09/14/22 16:58	CMK GEB	Mt. Juliet, TI Mt. Juliet, TI
SB24-S-8-220907 L1534491-04 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:36	Received date/time 09/10/22 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
vietnou	Datch	Dilution	date/time	date/time	AndiySt	LOCATION
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, Ti
Wet Chemistry by Method 300.0	WG1925394	1	09/14/22 12:25	09/14/22 17:36	GEB	Mt. Juliet, Tl
			Collected by	Collected date/time	Received da	te/time
SB24-S-10-220907 L1534491-05 Solid			Sarah Nolen	09/07/22 11:37	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925394	1	09/14/22 12:25	09/14/22 18:05	GEB	Mt. Juliet, Ti
			Collected by	Collected date/time	Received da	
SB24-S-12-220907 L1534491-06 Solid			Sarah Nolen	09/07/22 11:38	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925394	1.02	09/14/22 12:25	09/14/22 18:14	GEB	Mt. Juliet, TN
SB24-S-14-220907 L1534491-07 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:39	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925267	1	09/15/22 11:01	09/15/22 11:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925394	1.01	09/14/22 12:25	09/14/22 18:24	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534491 DATE/TIME: 09/20/22 10:36

IME: 2 10:36 PAGE: 3 of 30

# SAMPLE SUMMARY

Page 44 of 230

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SB24-S-16-220907 L1534491-08 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:40	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925267 WG1925394	1 1.01	09/15/22 11:01 09/14/22 12:25	09/15/22 11:19 09/14/22 18:33	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-18-220907 L1534491-09 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:41	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925267 WG1925394	1 1.02	09/15/22 11:01 09/14/22 12:25	09/15/22 11:19 09/14/22 18:43	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-20-220907 L1534491-10 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:41	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925267 WG1925394	1 1.03	09/15/22 11:01 09/14/22 12:25	09/15/22 11:19 09/14/22 18:52	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-22-220907 L1534491-11 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:42		Received date/time 09/10/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925269 WG1925394	1 1.05	09/15/22 10:43 09/14/22 12:25	09/15/22 10:59 09/14/22 19:02	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-24-220907 L1534491-12 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:43	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925269 WG1925394	1 1.05	09/15/22 10:43 09/14/22 12:25	09/15/22 10:59 09/14/22 19:12	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-26-220907 L1534491-13 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:44	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925269 WG1925394	1 1	09/15/22 10:43 09/14/22 12:25	09/15/22 10:59 09/14/22 19:21	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB24-S-28-220907 L1534491-14 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:45	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925269 WG1925394	1 1.04	09/15/22 10:43 09/14/22 12:25	09/15/22 10:59 09/14/22 20:08	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	

PROJECT: 30094129

SDG: L1534491 DATE/TIME: 09/20/22 10:36

**PAGE**: 4 of 30

# SAMPLE SUMMARY

Page 45 of 230

SB24-S-30-220907 L1534491-15 Solid			Collected by Sarah Nolen	Collected date/time 09/07/22 11:46	e Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925269	1	09/15/22 10:43	09/15/22 10:59	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925394	1	09/14/22 12:25	09/14/22 20:17	GEB	Mt. Juliet, TN



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SDG: L1534491

PAGE: 5 of 30

## CASE NARRATIVE

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

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SDG: L1534491 DATE/TIME: 09/20/22 10:36

TIME: 2 10:36 PAGE: 6 of 30

#### SAMPLE RESULTS - 01 L1534491

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	95.4		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry b	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	976		9.65	21.0	1	09/14/2022 16:40	WG1925394	CII



#### SAMPLE RESULTS - 02 L1534491

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.0		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	403		52.1	113	5.1	09/14/2022 16:49	WG1925394		CII



#### SAMPLE RESULTS - 03 L1534491

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	96.3		1	09/15/2022 11:19	<u>WG1925267</u>	¯Тс

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	57.7	<u>P1</u>	9.65	21.0	1.01	09/14/2022 16:58	WG1925394		



#### SAMPLE RESULTS - 04 L1534491

Page 50 of 230

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## Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		88.9		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									Ss
Result (dry) Qualifier MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	13.8	J	10.3	22.5	1	09/14/2022 17:36	WG1925394		

#### SAMPLE RESULTS - 05 L1534491

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.3		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	11.5	J	9.86	21.4	1	09/14/2022 18:05	WG1925394		



SDG: L1534491

DATE/TIME: 09/20/22 10:36

#### SAMPLE RESULTS - 06 L1534491

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	89.5		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									Ss
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	24.1		10.5	22.8	1.02	09/14/2022 18:14	WG1925394		CII



#### SAMPLE RESULTS - 07 L1534491

Page 53 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	82.7		1	09/15/2022 11:19	<u>WG1925267</u>	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									ໍSs
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	164		11.2	24.4	1.01	09/14/2022 18:24	WG1925394		CII



SDG: L1534491

PAGE: 13 of 30

#### SAMPLE RESULTS - 08 L1534491

Page 54 of 230

1

## Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		81.5		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	116		11.4	24.8	1.01	09/14/2022 18:33	WG1925394		



#### SAMPLE RESULTS - 09 L1534491

1

#### Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		92.8		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	53.0		10.1	22.0	1.02	09/14/2022 18:43	WG1925394		



#### SAMPLE RESULTS - 10 L1534491

Page 56 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	76.6		1	09/15/2022 11:19	WG1925267	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	129		12.4	26.9	1.03	09/14/2022 18:52	WG1925394		CII

#### SAMPLE RESULTS - 11 L1534491

Page 57 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	77.1		1	09/15/2022 10:59	WG1925269	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	29.1		12.5	27.2	1.05	09/14/2022 19:02	WG1925394		CII



SDG: L1534491

DATE/TIME: 09/20/22 10:36

#### SAMPLE RESULTS - 12 L1534491

Page 58 of 230

1

#### Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		77.7		1	09/15/2022 10:59	<u>WG1925269</u>	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	36.1		12.4	27.0	1.05	09/14/2022 19:12	WG1925394		CII



#### SAMPLE RESULTS - 13 L1534491

Page 59 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	79.0		1	09/15/2022 10:59	WG1925269	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	30.7	<u>P1</u>	11.7	25.3	1	09/14/2022 19:21	WG1925394		CII



SDG: L1534491

DATE/TIME: 09/20/22 10:36

#### SAMPLE RESULTS - 14 L1534491

Page 60 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	79.1		1	09/15/2022 10:59	<u>WG1925269</u>	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	23.2	J	12.1	26.3	1.04	09/14/2022 20:08	WG1925394	



#### SAMPLE RESULTS - 15 L1534491

Page 61 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	82.8		1	09/15/2022 10:59	WG1925269	ЪС

#### Wet Chemistry by Method 300.0

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 ⁴Cn
Chloride	26.5		11.1	24.2	1	09/14/2022 20:17	WG1925394	CII



## Reg cy q by B 2D 1/11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534491-01,02,03,04,05,06,07,08,09,10

Page 62 of 230

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#### Method Blank (MB)

(MB) R3837937-1 09	/9/15/22 11:19					$\sim$
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	%		%	%		Tc
Total Solids	0.00200					_
					3	<sup>3</sup> Ss

#### L1534491-08 Original Sample (OS) • Duplicate (DUP)

Image: Normal Result       DUP Result       DUP Repuis       DUP	L1534491-08 Origin	al Sample	(OS) • Du	plicate (	DUP)		
inalyte % % % % %	OS) L1534491-08 09/15/2	2 11:19 • (DUP) F	R3837937-3	09/15/22 1	1:19		
-		Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	
Total Solids 81.5 82.4 1 1.07 10	Analyte	%	%		%		%
	Total Solids	81.5	82.4	1	1.07		10

## Laboratory Control Sample (LCS)

(LCS) R3837937-2 0	9/15/22 11:19				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:36

PAGE: 22 of 30

## Reg @ q & B & M 11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534491-11,12,13,14,15

Page 63 of 230

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#### Method Blank (MB)

Method Blank	(IVIB)				1
(MB) R3837935-1 (	9/15/22 10:59				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	T <sup>*</sup>
Total Solids	0.00200				

#### L1534501-02 Original Sample (OS) • Duplicate (DUP)

L1534501-02 Origi (OS) L1534501-02 09/15/2		· · ·		· · ·		
(00) 21004001 02 00/10/	Original Result			DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.4	89.9	1	0.490		10

## Laboratory Control Sample (LCS)

(LCS) R3837935-2 09	9/15/22 10:59				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:36

PAGE: 23 of 30

## Register goly 2010 1/11/2023 12:35:38 PM

Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1534491-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

Method Blank (MB)

(MB) R3837805-1	09/14/22 15:54			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

### L1534491-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1534491-03 09/14/22	2 16:58 • (DUP)	R3837805-3	09/14/22	17:08		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	57.7	104	1.01	57.2	<u>P1</u>	20

### L1534491-13 Original Sample (OS) • Duplicate (DUP)

L1534491-13 Ori	ginal Sample (	OS) • Dup	licate (E	OUP)			
(OS) L1534491-13 09/	14/22 19:21 • (DUP) F	23837805-6	09/14/22 1	9:31			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/kg	mg/kg		%		%	
Chloride	30.7	39.2	1	24.3	<u>P1</u>	20	

#### Laboratory Control Sample (LCS)

(LCS) R3837805-2 09/14	S) R3837805-2 09/14/22 16:03									
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier					
Analyte	mg/kg	mg/kg	%	%						
Chloride	200	191	95.3	90.0-110						

## L1534491-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534491-03 09/14/2	(OS) L1534491-03 09/14/22 16:58 • (MS) R3837805-4 09/14/22 17:17 • (MSD) R3837805-5 09/14/22 17:27											
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	519	57.7	548	604	94.4	105	1	80.0-120			9.67	20

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	Arcadis - Chevron - NM

DATE/TIME: 09/20/22 10:36

PAGE: 24 of 30

Page 64 of 230

## 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.
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 resul 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
J	The identification of the analyte is acceptable; the reported value is an estimate.
D1	

P1

PROJECT: 30094129

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

SDG: L1534491 DATE/TIME: 09/20/22 10:36

<sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>7</sup>Gl <sup>3</sup>Al

Sc

# Received by OCD: 1/11/2023 12:35:38 PACCREDITATIONS & LOCATIONS

Page	66	of	23	0
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Τс

Ss

Cn

Sr

Qc

Gl

AI

Sc

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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

ceived by OCD: 1/11/2023 12:3. Company Name/Address:	):38 PM	and the second	Billing Infor	mation:			-		Analy	<u>/sis / Con</u>	tainer / P	Preservatio				Chain of Custo	Juy	Page 67 o
Arcadis - Chevron - NM			1004 N B	Payable ig Spring Stre	eet	Pres Chk										Pace°		
			Suite 121 Midland, TX 79701														JULIE	
Report to: Sarah Johnson			Email To: sarah.johnson@arcadis.com;william.foord@arc							#						12065 Lebanon Rd Submitting a samp constitutes acknow	le via this chi vledgment ar	in of custody d acceptance of the
Project Description: Candelario 24-1 Battery		City/State Collected:	Laing, NM Please Cirr				res									Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard- terms.pdf		s/pas-standard-
Phone: 432-687-5400	Client Project 30094129	#		Lab Project # CHEVARCN	M-CANDEL2	24-1	4ozClr-NoPre								Č	SDG # L	153 4 3188	
Collected by (print): Sarah Nolen	Site/Facility II	D # RIO 24-1 BA	TTERY	P.O. #	and the second										CHEVARCNM			
Collected by (signature):	Same D	Lab MUST Be I ay Five D	ау	Quote #			300, TS								Template: <b>T211186</b> Prelogin: <b>P931861</b> PM: 526 - Chris McCord			
mmediately Packed on Ice N Y X	Next Da Two Da Three D	ay 5 Day iy 10 Da Day	(Rad Only) y (Rad Only)	Date Resi	ults Needed	No. of	CHLORIDE-										7.	4.22
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CHLC									Remarks	T	mple # (lab only)
5024-5-0'-220901	G	SS	0'	09-07-	the second se	1	X											- 02
5B24-5-4'-270907		SS	4'	09-07-2		1	X						-					- 03
SB24-5-6-220907	G	SS	G		2 1135		X X	19 (d. 17)					1000			-12	7	- 04
SB 24-5-8-220901	G	1	5108	09-07-2	and the second sec	<u>- 37</u>	X		1999 - 19						· · Brogging	-	-	- 05
SB 24-5-10-220907	G	SS	1	109-07-0	-	1	X		All and									-06
SB24-5-12'-220907 SB24-5-14'-220907	G	SS		09-07-		1	X						-				-	- 07
SB24-5-16'-220907	-	SS	1 1	09-07-0		1	X											08
SB24-5-18-220901		SS		09-07-0		1	Х		Alt - and				-				-	- 09
SB24-5-18'-22090	+ G	SS	\$232	09-07-	22 1141	1	X						- 1.4- 		Sam	ole Receip	t Check	-10 Llist
* Matrix: Re SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	marks:					1				pH		emp Other		COC S Bottl Corre	eal P igned es ar ect bo	resent/Int /Accurate: rive intac ttles used volume se	act: - :t: l:	NP Y N
	mples returne UPS FedE				cking #									VOA Z	lero H	If Appli eadspace: on Correct	<u>icable</u>	ed:Y
Relinquished by : (Signature)	Nolen	Date: 09/09	N Time	700	ceived by: (Sign				Tr	ip Blank F		TBR	MeoH	RAD S	Screen	<0.5 mR/h	nr:	L
Relinquished by : (Signature)		Date:	Tim	e: Re	ceived by: (Sign	nature)	1	/	Te	emp:	°C	Bottles Re				Jirrequired L	., 208m	A CARE AND
Relinquished by : (Signature)		Date:	Tim	e: Re	ceived for ab t	ov:/Signa	ture	/h		ate:/	22	Time:	90	Hold:				Condition: NCF / OK

ceived by OCD: 1/11/2023 12:3	5:38 PM	14 - 14 - 12 - 12 - 12 - 12 - 12 - 12 -	Billing Info	rmation:		1		-		Anal	vsis / Co	ntainer	/ Preservat		The second second	Chain of Custody	Page 68 of
Company Name/Address: Arcadis - Chevron - NM			Account	s Payable Big Spring S	treet		Pres Chk									- Pau	ce <sup>.</sup>
1004 N Big Spring Street Suite 121			Suite 12	-		1										MT JUL	
Sarah Johnson			Email To: sarah.johnson@arcadis.com;william.foord@arc												12065 Lebanon Rd Moun Submitting a sample via th	is chain of custody	
			P P P								Contra la				Same .	Pace Terms and Condition https://info.pacelabs.com	ent and acceptance of the s found at: /hubfs/pas-standard-
Project Description: Candelario 24-1 Battery		conected.	oving	PT MT CT EI												sDG # LIS3	Sec. In
Phone: 432-687-5400	Client Project # 30094129			Lab Project		NDEL24	-1	Ir-NoPres								Table #	11 4
Sarah Jolan	Site/Facility ID	) # IO 24-1 BA	TTERY	P.O. #			S 4ozClr-I									Acctnum: CHEVARCNM Template:T211186	
Collected by (signature):	Same Di	ab MUST Be ay Five I y 5 Day y 10 Da	Day (Rad Only)		Results Ne	eded	No.	DE-300,TS	(Alther							Prelogin: P931 PM: 526 - Chris	861
Immediately Packed on Ice N Y Y	Three D	l	1			Time	of Cntrs	CHLORID								Shipped Via: Fe	dEX Ground
Sample ID	Comp/Grab	Matrix *	Depth	Date	2			-									. )[
SB24-5-22-220907	G	SS	22	1 09/0		142	1	X									-12
SB24-5-24-220907	G	SS	24	09/07		143	1	X									- 13
3324-5-26-220907	G	SS	26			144	1	X									- 14
SB24-5-28-22090	F G	SS	28			1141	1.12	X	-								- 15
SB24-5-30'-22090	19	55	30		1/22		1	x	1.								
		55		01/01	100		2	X	1.					-	and the second		and the second s
	$\checkmark$	SS		$\checkmark$	A	7	1	x	1	/							
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		SS	T(		5		1	X	T					10			hacklist
SS - Soil AIR - Air F - Filter	emarks:	1	<u> </u>							estre.	pH Flow		_ Temp		COC Sea COC Sig Bottles Correct	Sample Receipt C 1 Present/Intact ned/Accurate: arrive intact: bottles used:	
GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water	amples returne	ed via:	The second		Tracking	#									Suffici	ent volume sent <u>If Applica</u> o Headspace:	bleY
OT - Other	UPSFed	ExCourie	T	ime:	Received		ature)				Trip Bla	nk Recei	ved: Yes HC	/ No L / MeoH	Preserv	reen <0.5 mR/hr:	hecked: _Y
Sal Z Isan	and the second second	and the second se		1400	Received	d by: (Sign	ature)				Temp:	0	C Bottles	R Received:	If preser	vation required by L	ogin: Date/Time
Relinquished by : (Signature)		Date:		inie.			1		-	1.3			Time:		Hold:		Condition:
Relinguished by : (Signature)		Date:	1	Time:	Received	d for lab b	y: (Sign	nature)			Date:		, and				NCF / OK

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<u>Tracking</u> Numbers	Temperature
	Temperature
5671 5376 7411	5.4
5829 6697 3886	2.2
5829 6691 3458	5.0
5829 6697 3447	2.3

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- NCF-L1534491 CHEVARCNM	Time spent: oh
Members	
	https://kanbanflow.com/board/nfK R5 Time spent: oh hristopher McCord t <i>Done</i>
Due on 16 September 2022 5:00 PM for target	t Done
<ul> <li>Login Clarification needed</li> </ul>	
Chain of custody is incomplete	
Please specify Metals requested	
Please specify TCLP requested	
Received additional samples not listed on C	COC
$\checkmark$ Sample IDs on containers do not match ID	
Client did not "X" analysis	
Chain of Custody is missing	
If no COC: Received by:	
If no COC: Date/Time:	
If no COC: Temp./Cont.Rec./pH:	
If no COC: Carrier:	
If no COC: Tracking #:	_
Client informed by call	
Client informed by Email	
Client informed by Voicemail	
✓ Date/Time:9/12/22 10:10	
✓ PM initials: CM	
Client Contact:	
Comments	
Robert Rountree	10 September 2022 5:31 PM

Sample Id on chain for -10 is "SB24-S-18'-220908" but has depth listed as 20'. Id on container is "SB24-S-20-220908" Logger Per Container ID.

Christopher McCord

Keep as logged per container.

Troy Dunlap

Done.

12 September 2022 10:10 AM

12 September 2022 10:12 AM

Page 71 of 230

Pace Analytical <sup>®</sup> ANAL	YTICAL REPORT September 20, 2022	<sup>1</sup> Cp
		<sup>2</sup> Tc
Arcadis - Chev	vron - NM	<sup>3</sup> Ss
Sample Delivery Gro	bup: L1534501	<sup>4</sup> Cr
Samples Received:	09/10/2022	<sup>5</sup> Sr
Project Number:	30094129	
Description:	Candelario 24-1 Battery	်ိဳထူလ
Site:	CANDELARIO 24-1 BATTERY	7
Report To:	Sarah Johnson	Í GI
	1004 N Big Spring Street	<sup>8</sup> AI
	Suite 121	
	Midland, TX 79701	<sup>9</sup> Sc

Entire Report Reviewed By: Chu, faph J man

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 Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory where applicable, sampling conducted by Pace National Statement of the 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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PROJECT: 30094129

SDG: L1534501

DATE/TIME: 09/20/22 10:11 PAGE: 1 of 52

# TABLE OF CONTENTS

Page	72	of	230
		· J	

Ср

Ss

Cn

Sr

Qc

GI

ΆI

Sc

Cp: Cover Page				1
Tc: Table of Contents				2
Ss: Sample Summary				4
Cn: Case Narrative				9
Sr: Sample Results				10
SB-25-S-0-220908 L	1534501-01			10
SB-25-S-4-220908 L	1534501-02			11
SB-25-S-6-220908 L	1534501-03			12
SB-25-S-8-220908 L	1534501-04			13
SB-25-S-10-220908 I	L1534501-05			14
SB-25-S-12-220908 L	L1534501-06			15
SB-25-S-14-220908 L	L1534501-07			16
SB-25-S-16-220908 I	L1534501-08			17
SB-25-S-18-220908 L	L1534501-09			18
SB-25-S-20-220908	L1534501-10			19
SB-25-S-22-220908	L1534501-11			20
SB-25-S-24-220908	L1534501-12			21
SB-25-S-26-220908	L1534501-13			22
SB-25-S-28-220908	L1534501-14			23
SB-25-S-30-220908	L1534501-15			24
SB-26-S-0-220908 L	1534501-16			25
SB-26-S-4-220908 L	1534501-17			26
SB-26-S-6-220908 L	1534501-18			27
SB-26-S-8-220908 L	1534501-19			28
SB-26-S-10-220908 I	L1534501-20			29
SB-26-S-12-220908 L	L1534501-21			30
SB-26-S-14-220908 L	L1534501-22			31
SB-26-S-16-220908 I	L1534501-23			32
SB-26-S-18-220908 L	L1534501-24			33
SB-26-S-20-220908	L1534501-25	5		34
SB-26-S-22-220908	L1534501-26	5		35
SB-26-S-24-220908	L1534501-27	,		36
SB-26-S-26-220908	L1534501-28	3		37
SB-26-S-28-220908	L1534501-29	)		38
SB-26-S-30-220908	L1534501-30	)		39
Qc: Quality Control Summ	nary			40
Total Solids by Method	1 2540 G-201	11		40
Wet Chemistry by Meth	hod 300.0			44
GI: Glossary of Terms				47
Al: Accreditations & Loca	tions			48
aging: 3/20/2023 12:21:30 P	111	PROJECT:	SDG:	DATE/TIME:

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM

30094129

SDG: L1534501

PAGE: 2 of 52
49

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

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

TIME: 2 10:11 PAGE: 3 of 52

# SAMPLE SUMMARY

Page 74 of 230

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	JAINFLL		ARI			
SB-25-S-0-220908 L1534501-01 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 07:50	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925269 WG1925394	1 1.01	09/15/22 10:43 09/14/22 12:25	09/15/22 10:59 09/14/22 20:26	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
	101020001	1.01	00/11/22 12.20	00/11/22 20.20	GEB	int. Suilet, In
SB-25-S-4-220908 L1534501-02 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 07:50	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925269	1	09/15/22 10:43	09/15/22 10:59	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925394	1.02	09/14/22 12:25	09/14/22 20:36	GEB	Mt. Juliet, TN
			Collected by	Collected date/time		
SB-25-S-6-220908 L1534501-03 Solid			Sarah Nolen	09/08/22 07:51	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925269	1	09/15/22 10:43	09/15/22 10:59	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925394	1.05	09/14/22 12:25	09/14/22 20:45	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-25-S-8-220908 L1534501-04 Solid			Sarah Nolen	09/08/22 07:52	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925269	1	09/15/22 10:43	09/15/22 10:59	СМК	Mt. Juliet, TN
Vet Chemistry by Method 300.0	WG1925394	1	09/14/22 12:25	09/14/22 20:55	GEB	Mt. Juliet, TN
			Collected by	Collected date/time		
SB-25-S-10-220908 L1534501-05 Solid			Sarah Nolen	09/08/22 07:52	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925269	1	09/15/22 10:43	09/15/22 10:59	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925394	1.03	09/14/22 12:25	09/14/22 21:04	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-25-S-12-220908 L1534501-06 Solid			Sarah Nolen	09/08/22 07:53	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925497	1	09/13/22 13:11	09/13/22 19:12	LBR	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	
SB-25-S-14-220908 L1534501-07 Solid	Date	Dilution	Sarah Nolen	09/08/22 07:54	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
	11/04005070	1	00/1E/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	03/13/22 10.38	CIVIT	mit bunct, m

PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

=: ):11 PAGE: 4 of 52

# SAMPLE SUMMARY

Page 75 of 230

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SB-25-S-16-220908 L1534501-08 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 07:55	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925270	1	date/time 09/15/22 10:21	date/time 09/15/22 10:38	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925270 WG1925497	1	09/13/22 10:21	09/13/22 10:38	LBR	Mt. Juliet, T
wet chemistry by method 500.0	W01525157	·	03/13/22 13.11	03/13/22 13:51	LDIX	Wit. Sullet, 11
			Collected by	Collected date/time	Received da	te/time
SB-25-S-18-220908 L1534501-09 Solid			Sarah Nolen	09/08/22 07:55	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TI
Wet Chemistry by Method 300.0	WG1925497	1.02	09/13/22 13:11	09/13/22 19:40	LBR	Mt. Juliet, TI
			Collected by	Collected date/time	Received da	
SB-25-S-20-220908 L1534501-10 Solid			Sarah Nolen	09/08/22 07:56	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TI
Wet Chemistry by Method 300.0	WG1925497	1.01	09/13/22 13:11	09/13/22 19:50	LBR	Mt. Juliet, TI
			Collected by Sarah Nolen	Collected date/time	Received da	
SB-25-S-22-220908 L1534501-11 Solid			Salan Nolen	09/08/22 07:57	09/10/22 09	.00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
T			date/time	date/time	0.44	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925270 WG1925497	1 1.01	09/15/22 10:21 09/13/22 13:11	09/15/22 10:38 09/13/22 19:59	CMK LBR	Mt. Juliet, TI Mt. Juliet, TI
wet chemistry by Method 500.0	WG1920497	1.01	03/13/22 13.11	09/15/22 19:59	LDK	wit. Juliet, T
			Collected by	Collected date/time	Received da	te/time
SB-25-S-24-220908 L1534501-12 Solid			Sarah Nolen	09/08/22 07:58	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
wethod	Daten	Dilution	date/time	date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TI
Wet Chemistry by Method 300.0	WG1925497	1.03	09/13/22 13:11	09/13/22 20:28	LBR	Mt. Juliet, TI
			Collected by	Collected date/time	Received da	
SB-25-S-26-220908 L1534501-13 Solid			Sarah Nolen	09/08/22 07:59	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		•••
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	CMK	Mt. Juliet, Th
Wet Chemistry by Method 300.0	WG1925528	1.03	09/13/22 14:13	09/13/22 22:13	GEB	Mt. Juliet, Th
			Collected by	Collected date/time	Received da	te/time
SB-25-S-28-220908 L1534501-14 Solid			Sarah Nolen	09/08/22 08:00	09/10/22 09	
	Dateb	Dilution				
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925270	1	09/15/22 10:21	09/15/22 10:38	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/13/22 22:22	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

E: D:11 PAGE: 5 of 52

# SAMPLE SUMMARY

Page 76 of 230

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SB-25-S-30-220908 L1534501-15 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 08:01	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925270 WG1925497	1 1	09/15/22 10:21 09/13/22 13:11	09/15/22 10:38 09/13/22 20:37	CMK LBR	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-0-220908 L1534501-16 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:22	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 22:32	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-4-220908 L1534501-17 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:23		Received date/time 09/10/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1.04	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 22:41	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-6-220908 L1534501-18 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:42	Received date/time 09/10/22 09:00		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1.02	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 22:51	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-8-220908 L1534501-19 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:25	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1.04	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 23:00	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-10-220908 L1534501-20 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:26	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 23:10	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
SB-26-S-12-220908 L1534501-21 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:27	Received da 09/10/22 09		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925272 WG1925528	1 1.01	09/14/22 10:12 09/13/22 14:13	09/14/22 10:19 09/13/22 23:19	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	

PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

=: ):11 PAGE: 6 of 52

# SAMPLE SUMMARY

Page 77 of 230

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SB-26-S-14-220908 L1534501-22 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:28	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925272	1	09/14/22 10:12	09/14/22 10:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/13/22 23:48	GEB	Mt. Juliet, TN
SB-26-S-16-220908 L1534501-23 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:29	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	date/time 09/15/22 10:01	date/time 09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/13/22 23:57	GEB	Mt. Juliet, TN
SB-26-S-18-220908 L1534501-24 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:30	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1.05	09/13/22 14:13	09/14/22 00:07	GEB	Mt. Juliet, TN
SB-26-S-20-220908 L1534501-25 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:31	Received date/time 09/10/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925497	1.01	09/13/22 13:11	09/13/22 20:56	LBR	Mt. Juliet, TN
SB-26-S-22-220908 L1534501-26 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:32	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1.02	09/13/22 14:13	09/14/22 00:16	GEB	Mt. Juliet, TI
SB-26-S-24-220908 L1534501-27 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 09:33	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1.01	09/13/22 14:13	09/14/22 00:26	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	
SB-26-S-26-220908 L1534501-28 Solid		Dil .:	Sarah Nolen	09/08/22 09:34	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TM
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/14/22 00:35	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

PAGE: 7 of 52

## SAMPLE SUMMARY

Page 78 of 230

Ср

Тс

Ss

			Collected by	Collected date/time	Received dat	te/time
SB-26-S-28-220908 L1534501-29 Solid			Sarah Nolen	09/08/22 09:35	09/10/22 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/14/22 00:45	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received dat	te/time
SB-26-S-30-220908 L1534501-30 Solid			Sarah Nolen	09/08/22 09:36	09/10/22 09:	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN

SDG: L1534501

DATE/TIME: 09/20/22 10:11 PAGE: 8 of 52

## CASE NARRATIVE

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

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534501 DATE/TIME: 09/20/22 10:11

IME: 2 10:11 PAGE: 9 of 52

#### SAMPLE RESULTS - 01 L1534501

Page 80 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	80.4		1	09/15/2022 10:59	WG1925269	¯Тс

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	U		11.6	25.1	1.01	09/14/2022 20:26	WG1925394		



#### SAMPLE RESULTS - 02 L1534501

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.4		1	09/15/2022 10:59	WG1925269	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	38.7		10.4	22.6	1.02	09/14/2022 20:36	WG1925394		CII



SDG: L1534501

# SAMPLE RESULTS - 03

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	87.1		1	09/15/2022 10:59	WG1925269	Tc

								_	
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	- L	
Analyte	mg/kg		mg/kg	mg/kg		date / time		[	<sup>4</sup>
Chloride	36.9		11.1	24.1	1.05	09/14/2022 20:45	<u>WG1925394</u>		



#### SAMPLE RESULTS - 04 L1534501

Page 83 of 230

1

#### Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte		%			date / time		2
Total Solids		95.3		1	09/15/2022 10:59	WG1925269	ЪТс

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0										
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	11.0	J	9.65	21.0	1	09/14/2022 20:55	WG1925394		CII	



SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 05 L1534501

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.7		1	09/15/2022 10:59	<u>WG1925269</u>	<sup>2</sup> Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0										
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	62.3		9.61	20.9	1.03	09/14/2022 21:04	WG1925394		CII	

<sup>4</sup> Cn
⁵Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
°Sc

SDG: L1534501

#### SAMPLE RESULTS - 06 L1534501

Page 85 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.4		1	09/15/2022 10:38	WG1925270	Tc

Wet Chemistry by Method 300.0										
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	45.3		9.35	20.3	1	09/13/2022 19:12	WG1925497		CII	



#### SAMPLE RESULTS - 07 L1534501

Page 86 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.0		1	09/15/2022 10:38	WG1925270	¯Тс

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0										
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	140		10.1	21.9	1.05	09/13/2022 19:21	WG1925497		CII	



SDG: L1534501

# SAMPLE RESULTS - 08

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.8		1	09/15/2022 10:38	WG1925270	Tc

#### Wet Chemistry by Method 300.0

	Re	sult (dry) Qualifie	r MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg	J/kg	mg/kg	mg/kg		date / time		<sup>4</sup>
Chlorid	e 51.	7	9.40	20.4	1	09/13/2022 19:31	WG1925497	



SDG: L1534501

DA 09/2 PAGE: 17 of 52

#### SAMPLE RESULTS - 09 L1534501

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.7		1	09/15/2022 10:38	<u>WG1925270</u>	<sup>2</sup> Тс

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	42.2		10.3	22.5	1.02	09/13/2022 19:40	WG1925497		CII

#### SAMPLE RESULTS - 10 L1534501

Page 89 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.5		1	09/15/2022 10:38	WG1925270	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	83.0		9.53	20.7	1.01	09/13/2022 19:50	WG1925497		

#### SAMPLE RESULTS - 11 L1534501

Page 90 of 230

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	98.1		1	09/15/2022 10:38	WG1925270	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	67.3		9.47	20.6	1.01	09/13/2022 19:59	WG1925497		CIT



SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 12 L1534501

Page 91 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.6		1	09/15/2022 10:38	WG1925270	¯Тс

#### Wet Chemistry by Method 300.0

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	43.2		9.82	21.3	1.03	09/13/2022 20:28	WG1925497		CII	



SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 13 L1534501

Page 92 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.8		1	09/15/2022 10:38	WG1925270	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	U		10.4	22.7	1.03	09/13/2022 22:13	WG1925528		CII



#### SAMPLE RESULTS - 14 L1534501

Page 93 of 230

1

#### Total Solids by Method 2540 G-2011

	F	esult	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%	Ď			date / time		2
Total Solids	g	7.2		1	09/15/2022 10:38	<u>WG1925270</u>	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	54.7		9.46	20.6	1	09/13/2022 22:22	WG1925528		CII

SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 15 L1534501

Page 94 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	– Ср
Analyte	%			date / time		2
Total Solids	85.5		1	09/15/2022 10:38	WG1925270	⁻́Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	U	<u>P1</u>	10.8	23.4	1	09/13/2022 20:37	WG1925497		CII



SDG: L1534501

DATE/TIME: 09/20/22 10:11

PAGE: 24 of 52

#### SAMPLE RESULTS - 16 L1534501

Page 95 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	96.3		1	09/14/2022 10:19	WG1925272	¯Тс

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	1520		9.55	20.8	1	09/13/2022 22:32	WG1925528		CII



SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 17 L1534501

Page 96 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		 2
Total Solids	96.7		1	09/14/2022 10:19	WG1925272	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1470		9.90	21.5	1.04	09/13/2022 22:41	WG1925528		CII



#### SAMPLE RESULTS - 18 L1534501

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	— Ср
Analyte	%			date / time		2
Total Solids	98.0		1	09/14/2022 10:19	WG1925272	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) Qualifier MDL (dry) RDL (dry) Dilution Analysis Batch									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	138		9.57	20.8	1.02	09/13/2022 22:51	WG1925528		



SDG: L1534501

#### SAMPLE RESULTS - 19 L1534501

Page 98 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		Ср
Analyte	%			date / time		2	
Total Solids	98.8		1	09/14/2022 10:19	WG1925272		Тс

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	96.9		9.68	21.0	1.04	09/13/2022 23:00	WG1925528		CII



#### SAMPLE RESULTS - 20 L1534501

Page 99 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	94.0		1	09/14/2022 10:19	WG1925272	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	24.5		9.79	21.3	1	09/13/2022 23:10	WG1925528		CII



SDG: L1534501

DATE/TIME: 09/20/22 10:11

#### SAMPLE RESULTS - 21 L1534501

Page 100 of 230

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	87.6		1	09/14/2022 10:19	WG1925272	¯Тс

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	57.4		10.6	23.1	1.01	09/13/2022 23:19	WG1925528		CII



SDG: L1534501

DATE/TIME: 09/20/22 10:11

PAGE: 30 of 52

#### SAMPLE RESULTS - 22 L1534501

Page 101 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		 2
Total Solids	87.3		1	09/14/2022 10:19	<u>WG1925272</u>	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	35.6		10.5	22.9	1	09/13/2022 23:48	WG1925528		CII

#### SAMPLE RESULTS - 23 L1534501

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	89.7		1	09/15/2022 10:18	WG1925274	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	19.0	J	10.3	22.3	1	09/13/2022 23:57	WG1925528		CII

#### SAMPLE RESULTS - 24 L1534501

Page 103 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.1		1	09/15/2022 10:18	WG1925274	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	187		10.1	21.9	1.05	09/14/2022 00:07	WG1925528		CII

#### SAMPLE RESULTS - 25 L1534501

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	97.8		1	09/15/2022 10:18	<u>WG1925274</u>	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time		4	Cn
Chloride	118	<u>J3</u>	9.50	20.7	1.01	09/13/2022 20:56	WG1925497		CII

#### SAMPLE RESULTS - 26 L1534501

1

## Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		91.2		1	09/15/2022 10:18	WG1925274	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	221		10.3	22.4	1.02	09/14/2022 00:16	WG1925528		CII



#### SAMPLE RESULTS - 27 L1534501

Page 106 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.2		1	09/15/2022 10:18	WG1925274	¯Тс

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	90.7		9.66	21.0	1.01	09/14/2022 00:26	WG1925528		CII

#### SAMPLE RESULTS - 28 L1534501

Page 107 of 230

1

#### Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		92.0		1	09/15/2022 10:18	<u>WG1925274</u>	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	U		10.0	21.7	1	09/14/2022 00:35	WG1925528		

#### SAMPLE RESULTS - 29 L1534501

Page 108 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	95.4		1	09/15/2022 10:18	WG1925274	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	74.1		9.64	21.0	1	09/14/2022 00:45	WG1925528		CII
#### SAMPLE RESULTS - 30 L1534501

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	94.0		1	09/15/2022 10:18	WG1925274	¯Тс

Wet Chemist	ry by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	92.0		9.98	21.7	1.02	09/14/2022 00:54	WG1925528	

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Total Solids by Method 2540 G-2011

### QUALITY CONTROL SUMMARY L1534501-01,02,03,04,05

Page 110 of 230

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### Method Blank (MB)

(IVIB)				
9/15/22 10:59				
MB Result	<b>MB</b> Qualifier	MB MDL	MB RDL	
%		%	%	
0.00200				
-	0/15/22 10:59 MB Result %	0/15/22 10:59 MB Result <u>MB Qualifier</u> %	MB Result <u>MB Qualifier</u> MB MDL % %	MB Result MB Qualifier MB MDL MB RDL % % %

### L1534501-02 Original Sample (OS) • Duplicate (DUP)

L1534501-02 Orig						
(OS) L1534501-02 09/15	5/22 10:59 • (DUP)	) R3837935-3	09/15/22	10:59		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.4	89.9	1	0.490		10

# Laboratory Control Sample (LCS)

(LCS) R3837935-2 09	9/15/22 10:59				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1534501

DATE/TIME: 09/20/22 10:11

PAGE: 40 of 52

# Regeiredby 8607 0/11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

### QUALITY CONTROL SUMMARY L1534501-06,07,08,09,10,11,12,13,14,15

Page 111 of 230

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# Method Blank (MB)

Method Blank	(IVIB)					1
(MB) R3837932-1 0	9/15/22 10:38					-   (
	MB Result	MB Qualifier	MB MDL	MB RDL		2
Analyte	%		%	%		T
Total Solids	0.00200					
						3

### L1534501-07 Original Sample (OS) • Duplicate (DUP)

Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> Limits
Analyte % % % %

# Laboratory Control Sample (LCS)

(LCS) R3837932-2 0	9/15/22 10:38				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1534501

DATE/TIME: 09/20/22 10:11

PAGE: 41 of 52

# Req @ q & B & D7 1/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

### QUALITY CONTROL SUMMARY L1534501-16,17,18,19,20,21,22

Page 112 of 230

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# Method Blank (MB)

Method Blank	(MB)				
(MB) R3837434-1 C	)9/14/22 10:19				(
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	T <sup>*</sup>
Analyte Total Solids	0.00200				
					<sup>3</sup> S

### L1534501-17 Original Sample (OS) • Duplicate (DUP)

L1534501-17 Origin	al Sample (	OS) • Dup	licate (D	DUP)		
(OS) L1534501-17 09/14/2	2 10:19 • (DUP) F	R3837434-3 (	09/14/22 10	D:19		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.7	97.0	1	0.350		10

# Laboratory Control Sample (LCS)

(LCS) R3837434-2 09	9/14/22 10:19				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:11

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Total Solids by Method 2540 G-2011

### QUALITY CONTROL SUMMARY L1534501-23,24,25,26,27,28,29,30

Page 113 of 230

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### Method Blank (MB)

Method Blank	(MB)				
(MB) R3837920-1 (	09/15/22 10:18				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	T
Total Solids	0.00600				
					<sup>3</sup> Ss

### L1534501-27 Original Sample (OS) • Duplicate (DUP)

Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits	534501-27 Orig
	lyte

# Laboratory Control Sample (LCS)

(LCS) R3837920-2 09	9/15/22 10:18				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:11

PAGE: 43 of 52

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Wet Chemistry by Method 300.0

### QUALITY CONTROL SUMMARY L1534501-01,02,03,04,05

Page 114 of 230

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### Method Blank (MB)

(MB) R3837805-1 09	)/14/22 15:54			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

### L1534491-03 Original Sample (OS) • Duplicate (DUP)

Original Result (dry)DUP Result (dry)DUP RPDDUP QualifierDUP RPD LimitsNytemg/kg%%oride57.71041.0157.2P120
oride 57.7 104 1.01 57.2 <u>P1</u> 20

# L1534491-13 Original Sample (OS) • Duplicate (DUP)

L1534491-13 Orig	jinal Sample (	OS) • Dup	licate (E	DUP)			
(OS) L1534491-13 09/14	4/22 19:21 • (DUP) F	R3837805-6	09/14/22 1	9:31			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD imits	
Analyte	mg/kg	mg/kg		%		6	
Chloride	30.7	39.2	1	24.3	P1	20	

### Laboratory Control Sample (LCS)

(LCS) R3837805-2 09/14/	/22 16:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	191	95.3	90.0-110	

# L1534491-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534491-03 09/14/2	22 16:58 • (MS) I	R3837805-4 0	9/14/22 17:17 • (	(MSD) R38378	05-5 09/14/22	17:27						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	519	57.7	548	604	94.4	105	1	80.0-120			9.67	20

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SDG: L1534501

DATE/TIME: 09/20/22 10:11

PAGE: 44 of 52

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Wet Chemistry by Method 300.0

### QUALITY CONTROL SUMMARY 1534501-06,07,08,09,10,11,12,15,25

Method Blank (MB)

Method Didnk (	(IVID)				$^{1}$ CD	
(MB) R3837351-1 09	/13/22 16:12				CP	
	MB Result	MB Qualifier	MB MDL	MB RDL	2	
Analyte	mg/kg		mg/kg	mg/kg	⁻Tc	
Chloride	U		9.20	20.0		

## L1534501-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1534501-15 09/13/2	22 20:37 • (DUP)	R3837351-3	09/13/22 2	20:47		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	14.1	1.02	200	<u>J P1</u>	20

# L1534501-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1534501-25 09/1	13/22 20:56 • (DUF	P) R3837351-4	09/13/22	21:06			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	UP RPD mits	
Analyte	mg/kg	mg/kg		%			
Chloride	118	85.8	1	31.2	<u>J3</u>	)	

### Laboratory Control Sample (LCS)

(LCS) R3837351-2 09/13/2	22 16:21				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	194	97.1	90.0-110	

# L1534501-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534501-25 09/13/2	OS) L1534501-25 09/13/22 20:56 • (MS) R3837351-5 09/13/22 21:15 • (MSD) R3837351-6 09/13/22 21:25											
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	511	118	636	597	101	93.9	1	80.0-120			6.20	20

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DATE/TIME: 09/20/22 10:11

Page 115 of 230

<sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl <sup>8</sup>Al <sup>9</sup>Sc

Wet Chemistry by Method 300.0

### QUALITY CONTROL SUMMARY L1534501-13,14,16,17,18,19,20,21,22,23,24,26,27,28,29,30

Method Blank (MB)

	) )				$^{1}$ Cp
(MB) R3837802-1 09/13/	/22 21:54				СР
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/kg		mg/kg	mg/kg	ЪС
Chloride	U		9.20	20.0	

### L1534512-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1534512-05 09/14/2	22 01:42 • (DUP)	R3837802-3	09/14/22	01:52		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	794	1010	1	24.3	<u>J3</u>	20

### L1534520-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1534520-05 09	)/14/22 02:01 • (DUP	) R3837802-4	4 09/14/22	2 02:11			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	IP RPD nits	
Analyte	mg/kg	mg/kg		%			
Chloride	1110	1670	1	40.2	<u>J3</u>		

#### Laboratory Control Sample (LCS)

(LCS) R3837802-2 09/13	/22 22:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	192	95.9	90.0-110	

# L1534520-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534520-05 09/14/2	22 02:01 • (MS)	R3837802-5	09/14/22 02:20	• (MSD) R383	7802-6 09/14/	22 02:30						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	583	1110	3770	4310	456	549	1	80.0-120	<u>E J5</u>	<u>E J5</u>	13.5	20

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	Arcadis - Chevron - NM

DATE/TIME: 09/20/22 10:11

**PAGE**: 46 of 52

Page 116 of 230

<sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl <sup>8</sup>Al <sup>9</sup>Sc

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### 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.
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

# Received by OCD: 1/11/2023 12:35:38 PACCREDITATIONS & LOCATIONS

Page	118	of	230
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Τс

Ss

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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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
lorida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
ouisiana	AI30792	Tennessee <sup>14</sup>	2006
ouisiana	LA018	Texas	T104704245-20-18
<i>l</i> aine	TN00003	Texas ⁵	LAB0152
flaryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Aichigan	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

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Vidland. TX 79701		Sector Annual Sector	Email To:	17 <sup>4</sup>									12065 Lebanon Rd Mo	nt Juliet, TN 37122
Sarah Johnson			sarah.john	son@arcadis.co	m;william.foor	d@arc		1				and the second	Submitting a sample via constitutes acknowledg Pace Terms and Conditi	ment and acceptance of the
Project Description: Candelario 24-1 Battery		City/State Collected:	louins,	2	Pleas C PT MT	ircle: CT ET	res						https://info.pacelabs.co terms.pdf	m/hubfs/pas-standard-
Phone: 432-687-5400	Client Project 30094129	#		Lab Project # CHEVARCN	M-CANDEL2	24-1	r-NoPres						SDG # LIS	189
Collected by (print):	Site/Facility ID		TTERY	P.O. #			4ozClr-I						Acctnum: CHE	
Sarah Dolen Collected by (signature):	Rush? (I	ab MUST Be	Notified)	Quote #		1. 1.	-300,TS						Template: <b>T21</b> Prelogin: <b>P93</b>	
mmediately	Next Da	y 5 Day y 10 Da	(Rad Only)	Date Res	ults Needed	No.	L L L						PM: <b>526 - Chri</b> PB:	McCord
Packed on Ice N Y _X Sample ID	Three D Comp/Grab	ay Matrix *	Depth	Date	Time	of Cntrs	CHLORID						Shipped Via: <b>F</b> Remarks	Sample # (lab only)
6006 60 02000	G	SS	0	39/08/	10750	1	x						and the	-01
SB25-5-0-22090		SS	4	and the second	12 0750		X						and the second	- 02
SB25-3-6-220908	G	SS	6		20751		X						1.11	- 03
3B 25-5-8-220908	G	SS	8		2 075	1.13	x							- 04
SB25-5-10-22090		SS	10		1 0752		X							- 0g
SB25-5-12'-220908	G	SS	12		1 0753	10.00	X				and the second			- 0þ
SB25-5-14-22090	s G	SS	14		20454	1.1	X					1.1		- 01
5625-5-16-22090		SS	16	OGIGEN	1 075	5 1	Х				1.2	2		- 08
3B25-5-18-220908	G	SS	18	09/08/2	2 075		X							5 09
5625-5-20'-22090	8 6	SS	20	09/08/	12075	6 1	X	12						10
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	emarks:								pH	Tem		COC Sec COC Sic Bottle Correc	Sample Receipt C al Present/Intac gned/Accurate: s arrive intact: t bottles used: ient volume sent	······································
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eport to: arah Johnson						Contraction of the second						at an			Submitting a sample via constitutes acknowledge Pace Terms and Conditio	nent and accept ns found at:	ance of the
roject Description: Candelario 24-1 Battery		City/State Collected:	loving <i>s</i>	UM	Please PT MT	CT ET	es								https://info.pacelabs.com terms.pdf		
hone: <b>432-687-5400</b>	Client Project 30094129	#		Lab Project #	NM-CANDEL	24-1	4ozClr-NoPres				2.54				SDG # LIS	3450	
ollected by (print):	Site/Facility ID	# 10 24-1 B/	ATTERY	P.O. #		-12 -	4ozCl								Acctnum: CHE		M
Sarah Wolen iollected by (signature):	Rush? (L	ab MUST Be	Notified)	Quote #		A	300.TS								Template: <b>T21</b> Prelogin: <b>P93</b>		
Shr	Same Da Next Da	Five	Day y (Rad Only)	Date Re	sults Needed		-30								PM: 526 - Chris	McCord	
mmediately Packed on Ice N Y X	Two Day Three D	10 D	ay (Rad Only)	12		No. of	CHLORIDE-								PBOR 7	edEX Gr	ound
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	SHU	5							Remarks	Sample #	t (lab only)
51325-5-22-220908	G	SS	22'	69/06/	22 075	<b>F</b> 1	)	(									11
3B25-5-24'-22090E	G	SS	24'	09/08/	11 075	8 1	)	(							Graphia		13
SB25-5-26-220908	G	SS	26'		22 075		)	(									14
5625-5-28'-220908	G	SS	281	09/00/	22 800	1	)	(							a A sector and the se	-	it
3025-5-30'-220908	G	SS	30'		22 080	1	. )	<						1999 - 1999 		-	12
5826-5-0'-220908	G	SS	0'	09/08/	22 092	2 1		x								5	10
SB26-5-4'-220908	G	SS	4'	09/08/	127 092	3 1		X								1	18
SB26-5-6'-22690E	G	SS	6'	69/68	22 092	<u>4</u> 1	-	X					1077			-	G
SB26-5-8-220908	G	SS	8'	09/08/	22 092	5 1	1000	X								1	20
SB26-5-10'-22090	G	SS	10	09/08	122 092	6 3	1	X						Sam	ole Receipt (	hecklis	t,
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay	emarks:									pH Flow		mp	COC Bot Cor	Seal P Signed tles ar rect bo	resent/Intac /Accurate: rive intact: ttles used:	E: _NP	21/2/
WW - WasteWater DW - Drinking Water OT - Other	amples returne _UPS FedE	d via: xCouri	er		racking #							Neclas	VOA	Zero H servati	volume sent If Applica eadspace: on Correct/C	<u>ble</u> hecked:	Y
Relinguished by : (Signature)	T	Date: 09/09	/ Tir	me: 1700	Received by: (Si	gnature)	)			Irip Blank		Yes / No HCL / Meo TBR	+		<0.5 mR/hr:		e/Time
Relinquished by : (Signature)		Date:	Tir		Received by: (S			10	5	Temp:	1	Bottles Receive			on required by t		nditjop
Relinquished by : (Signature)		Date:	Ti	me:	Received for la	b,by: (Sig	gnatur	"L	2	Date 9/1/1	12	Time: 90	CO HO	Id:			F OK

eived by OCD: 1/11/2023 12:35 Arcadis - Chevron - NM			Billing Info	Sec. March					Analy	ISIS / CONI	ainer / Pres	PIVATIVE		1	Chain of Custody	Page 121.0
1004 N Big Spring Street Suite 121			1004 N I Suite 12	ts Payable Big Spring Stro 1 1, TX 79701	eet	Pres Chk									PEOPLE	ADVANCING SCIENCE
Midland. TX 79701 Report to:		1	Email To:												The second second	JLIET, TN
Sarah Johnson Project Description:		City/State	1.10	nson@arcadis.co				1.4							12065 Lebanon Rd Mo Submitting a sample via constitutes acknowledge	
Candelario 24-1 Battery		City/State Collected:	Loving	NM	Please Ci PT MT C		es	12.3						1	Pace Terms and Condit https://info.pacelabs.co terms.pdf	ions found at: om/hubfs/pas-standard-
Phone: 432-687-5400	Client Project	t#		Lab Project # CHEVARCN	M-CANDEL2	4-1	4ozClr-NoPres								SDG # 11	534501
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Sarah Dolen	CANDELA														Acctnum: CHE	VARCNM
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Immediately	Next D	ay 5 Day	y (Rad Only)	Date Resu	lts Needed		E-300,TS								Prelogin: P93 PM: 526 - Chris	McCord
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CHLORID								Shipped Via: For Remarks	Sample # (lab only
SB265-12-220908	G	SS	12'	0968/22	0927	1	x								Contra la c	-21
SB26-5-14'-220908	G	SS	14'	09/08/20	0928	1	X									- 22
5B26-5-16-220902	G	SS	16'	09/08/22		1	X									- 23
SB26-5-18-22090E	G	SS	181	09/08/22		1	X									- 24
SB26-5-20'-220508	Ĝ	SS	20'	0968/21	1 1 2 2 1 2 2	1	X									- 25
SB26-5-22-22090E		SS	22'	09/08/22		1	X									- 76
SB26-5-27-22090E	G	SS	24	09/08/22		1	X							1.81		- 27
SB26-5-26-220908	Ġ	SS	26	09/08/22	0934	1	X									- 28
5626-5-28-220908	Ġ	SS	28'	09/08/2	@935	1	X								1	- 29
SB26-5-30'-220908	a	SS	30'	09/08/20	0936	1	X								14	- 30
S - Soil AIR - Air F - Filter W - Groundwater B - Bioassay	narks:									pH	Temp Other		COC S.	eal Pre igned/ <i>P</i>	e Receipt Ch esent/Intact: Accurate: ive intact:	
T - Other	nples returned JPS FedEx			Track	ing #						Juier		Suffi	cient v	tles used: volume sent: <u>If Applicab</u> adspace:	
Relinquished by : (Signature)	Nolan Da	ate: 09/09/8		tecei	ved by: (Signat	ure)			Trip	Blank Rec	eived: Yes H TI	CL / MeoH	Prese	rvation	n Correct/Che <0.5 mR/hr:	cked: Y
Relinquished by : (Signature)	Da	ate:	Time	e: Recei	ved by: (Signat	ure)	Λ	6	Tem	p:	°C Bottle	s Received:	If prese	ervation	required by Log	in: Date/Time
Relinquished by : (Signature)	Da	ate:	Time	e: Recei	red for lab by:	Signat	ure	K	- Date	10/2	Time	que	Hold:			Condition: NCF



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Pace Ana	<i>lytical</i> ® ANALYT	ICAL REPORT	<sup>1</sup> Cp
			<sup>2</sup> Tc
	Arcadis - Chevron -	NM	<sup>3</sup> Ss
	Sample Delivery Group:	L1534512	<sup>≁</sup> Cn
	Samples Received:	09/10/2022	<sup>5</sup> Sr
	Project Number:	30094129	
	Description:	Candelario 24-1 Battery	<sup>6</sup> Qc
	Site:	CANDELARIO 24-1 BATTERY	7
	Report To:	Sarah Johnson	Í GI
		1004 N Big Spring Street	<sup>8</sup> Al
		Suite 121	

Entire Report Reviewed By:

Chu, foph June

Chris McCord Project Manager

Midland, TX 79701

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-068. 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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SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 1 of 53

# TABLE OF CONTENTS

Pa	ge	124	of	230

Cp: Cover Page					1
Tc: Table of Contents					2
Ss: Sample Summary					4
Cn: Case Narrative					9
Sr: Sample Results					10
SB-27-S-0-220908	L1534512-01				10
SB-27-S-4-220908	L1534512-02				11
SB-27-S-6-220908	L1534512-03				12
SB-27-S-8-220908	L1534512-04				13
SB-27-S-10-220908	L1534512-0	5			14
SB-27-S-12-220908	L1534512-0	6			15
SB-27-S-14-220908	L1534512-0	7			16
SB-27-S-16-220908	L1534512-0	8			17
SB-27-S-18-220908	L1534512-09	9			18
SB-27-S-20-220908	L1534512-1	0			19
SB-27-S-22-220908	L1534512-1	1			20
SB-27-S-26-220908	L1534512-1	2			21
SB-27-S-28-220908	L1534512-1	3			22
SB-27-S-30-220908	L1534512-14	4			23
SB-27-S-24-220908	L1534512-1	5			24
SB-28-S-0-220908	L1534512-16				25
SB-28-S-4-220908	L1534512-17				26
SB-28-S-6-220908	L1534512-18				27
SB-28-S-8-220908	L1534512-19				28
SB-28-S-10-220908	L1534512-2	0			29
SB-28-S-12-220908	L1534512-2	1			30
SB-28-S-14-220908	L1534512-2	2			31
SB-28-S-16-220908	L1534512-2	3			32
SB-28-S-18-220908	L1534512-2	4			33
SB-28-S-20-220908	L1534512-2	25			34
SB-28-S-22-220908	L1534512-2	6			35
SB-28-S-24-220908	L1534512-2	.7			36
SB-28-S-26-220908	L1534512-2	8			37
SB-28-S-28-220908	L1534512-2	9			38
SB-28-S-30-220908	L1534512-3	0			39
Qc: Quality Control Sur	mmary				40
Total Solids by Meth	od 2540 G-20	011			40
Wet Chemistry by M	ethod 300.0				44
GI: Glossary of Terms					48
Al: Accreditations & Lo	cations				49
naging: 3/20/2023 12:21:30	) <i>PM</i>	PROJECT:	SDG:	DATE/TIME:	



30094129

L1534512

PAGE: 2 of 53

50

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Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

ME: 10:38 PAGE: 3 of 53

# SAMPLE SUMMARY

Page 126 of 230

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			Collected by Sarah Nolen	Collected date/time 09/08/22 10:48	Received da 09/10/22 09	
SB-27-S-0-220908 L1534512-01 Solid Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
wiction	Daten	Dilution	date/time	date/time	AndiySt	LUCAUUII
Total Solids by Method 2540 G-2011	WG1925274	1	09/15/22 10:01	09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	10.5	09/13/22 14:13	09/14/22 01:04	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	to/timo
SB-27-S-4-220908 L1534512-02 Solid			Sarah Nolen	09/08/22 10:49	09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925274	1	date/time 09/15/22 10:01	date/time 09/15/22 10:18	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/14/22 01:14	GEB	Mt. Juliet, TM
			Collected by	Collected date/time		
SB-27-S-6-220908 L1534512-03 Solid			Sarah Nolen	09/08/22 10:50	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925559 WG1925578	1	09/13/22 09.47	09/14/22 21:52	GEB	Mt. Juliet, Th Mt. Juliet, Th
			Collected by	Collected date/time	Received da	te/time
SB-27-S-8-220908 L1534512-04 Solid			Sarah Nolen	09/08/22 10:50	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.05	09/14/22 13:36	09/14/22 22:02	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-27-S-10-220908 L1534512-05 Solid			Sarah Nolen	09/08/22 10:51	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011 Wat Chamistay by Mathad 200 0	WG1925559 WG1925528	1 102	09/15/22 09:47 09/13/22 14:13	09/15/22 09:54 09/14/22 01:42	CMK GEB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG192028	1.02	UUIU/22 14:13	U3/14/ZZ U1:4Z	GED	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-27-S-12-220908 L1534512-06 Solid			Sarah Nolen	09/08/22 10:51	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.01	09/14/22 13:36	09/14/22 22:11	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-27-S-14-220908 L1534512-07 Solid			Sarah Nolen	09/08/22 10:52	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.03	09/14/22 13:36	09/14/22 22:21	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

IME: 10:38 PAGE: 4 of 53

# SAMPLE SUMMARY

Page 127 of 230

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SB-27-S-16-220908 L1534512-08 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:52	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Net Chemistry by Method 300.0	WG1925559 WG1925578	1 1.02	09/15/22 09:47 09/14/22 13:36	09/15/22 09:54 09/14/22 22:30	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-27-S-18-220908 L1534512-09 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:53	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925578	1.03	09/14/22 13:36	09/14/22 22:40	GEB	Mt. Juliet, TN
SB-27-S-20-220908 L1534512-10 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:53	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.04	09/14/22 13:36	09/14/22 22:49	GEB	Mt. Juliet, TN
			Collected by Sarah Nolen	Collected date/time 09/08/22 10:54	Received da 09/10/22 09	
SB-27-S-22-220908 L1534512-11 Solid						
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.02	09/14/22 13:36	09/14/22 22:59	GEB	Mt. Juliet, TN
SB-27-S-26-220908 L1534512-12 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:55	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925559	1	09/15/22 09:47	09/15/22 09:54	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1928246	10.1	09/18/22 20:30	09/19/22 01:38	GEB	Mt. Juliet, TN
SB-27-S-28-220908 L1534512-13 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:56	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925560	1	09/15/22 09:28	09/15/22 09:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	10	09/15/22 01:45	09/15/22 03:54	GEB	Mt. Juliet, TN
			Collected by Sarah Nolen	Collected date/time 09/08/22 10:57	Received da 09/10/22 09	
SB-27-S-30-220908 L1534512-14 Solid Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
	Baten	5.0000	date/time	date/time	, analyse	2000001
Total Solids by Method 2540 G-2011	WG1925560	1	09/15/22 09:28	09/15/22 09:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.04	09/14/22 13:36	09/14/22 23:37	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

=: :38 PAGE: 5 of 53

# SAMPLE SUMMARY

Page 128 of 230

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SB-27-S-24-220908 L1534512-15 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 10:55	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1928246	1 10.1	09/15/22 09:28 09/18/22 20:30	09/15/22 09:37 09/19/22 01:54	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-0-220908 L1534512-16 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:05	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 10.2	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 00:24	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-4-220908 L1534512-17 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:06	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 5	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 00:34	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-6-220908 L1534512-18 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:07	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 1	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 00:43	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-8-220908 L1534512-19 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:08	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 1	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 00:53	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-10-220908 L1534512-20 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:09	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 1.04	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 01:21	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB-28-S-12-220908 L1534512-21 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:10	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925560 WG1925578	1 1.05	09/15/22 09:28 09/14/22 13:36	09/15/22 09:37 09/15/22 01:31	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534512

DATE/TIME: 09/20/22 10:38 PAGE: 6 of 53

# SAMPLE SUMMARY

Page 129 of 230

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SB-28-S-14-220908 L1534512-22 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:10	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925560	1	09/15/22 09:28	09/15/22 09:37	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925578	1	09/14/22 13:36	09/15/22 01:41	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-28-S-16-220908 L1534512-23 Solid			Sarah Nolen	09/08/22 12:11	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Fotal Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	CMK	Mt. Juliet, TN
Vet Chemistry by Method 300.0	WG1925578	1	09/14/22 13:36	09/15/22 01:50	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	
SB-28-S-18-220908 L1534512-24 Solid			Sarah Nolen	09/08/22 12:12	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TI
Wet Chemistry by Method 300.0	WG1925733	1.02	09/15/22 01:45	09/15/22 04:04	GEB	Mt. Juliet, Ti
			Collected by	Collected date/time	Received da	te/time
SB-28-S-20-220908 L1534512-25 Solid			Sarah Nolen	09/08/22 12:13	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925578	1.01	09/14/22 13:36	09/15/22 02:00	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-28-S-22-220908 L1534512-26 Solid			Sarah Nolen	09/08/22 12:14	09/10/22 09	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925561	1	date/time 09/15/22 09:12	date/time 09/15/22 09:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 03:13	GEB	Mt. Juliet, T
			Collocted by	Collocted data/time	Docoived de	to/time
SB-28-S-24-220908 L1534512-27 Solid			Collected by Sarah Nolen	Collected date/time 09/08/22 12:15	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1.01	09/15/22 01:45	09/15/22 04:23	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB-28-S-26-220908 L1534512-28 Solid			Sarah Nolen	09/08/22 12:16	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 04:32	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

PAGE: 7 of 53

# SAMPLE SUMMARY

Page 130 of 230

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Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925561 WG1925733	1	09/15/22 09:12 09/15/22 01:45	09/15/22 09:19 09/15/22 04:51	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
Tatal Calida by Mathed 2540 C 2044	WC102EEC1	1	date/time	date/time	CMI	Mt Juliat TN
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
SB-28-S-30-220908 L1534512-30 Solid			Sarah Nolen	09/08/22 12:18	09/10/22 09	:00
			Collected by	Collected date/time	Received da	ite/time
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 04:42	GEB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TN
			date/time	date/time		
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
SB-28-S-28-220908 L1534512-29 Solid			Sarah Nolen	09/08/22 12:17	09/10/22 09	:00
			Collected by	Collected date/time	Received da	ite/time

SDG: L1534512 DATE/TIME: 09/20/22 10:38

PAGE: 8 of 53

# CASE NARRATIVE

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

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

TIME: 2 10:38 PAGE: 9 of 53

### SAMPLE RESULTS - 01 L1534512

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	86.4		1	09/15/2022 10:18	WG1925274	Tc

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	5600		112	243	10.5	09/14/2022 01:04	WG1925528		CII



### SAMPLE RESULTS - 02 L1534512

Page 133 of 230

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	—   Ср	)
Analyte	%			date / time		2	-
Total Solids	83.3		1	09/15/2022 10:18	WG1925274	Tc Tc	

### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	949		11.0	24.0	1	09/14/2022 01:14	WG1925528		CII



### SAMPLE RESULTS - 03 L1534512

Page 134 of 230

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### Total Solids by Method 2540 G-2011

	R	esult	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%				date / time		2
Total Solids	9	0.2		1	09/15/2022 09:54	WG1925559	¯Тс

### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	384		10.2	22.2	1	09/14/2022 21:52	WG1925578		CII



### SAMPLE RESULTS - 04 L1534512

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Ср
Analyte	%			date / time		2
Total Solids	92.4		1	09/15/2022 09:54	WG1925559	Tc

Wet Chemistry by Method 300.0									
Result (dry) Qualifier MDL (dry) RDL (dry) Dilution Analysis Batch									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	432		10.5	22.7	1.05	09/14/2022 22:02	WG1925578		CII

### SAMPLE RESULTS - 05 L1534512

Page 136 of 230

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	84.2		1	09/15/2022 09:54	WG1925559	¯Тс

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	794	<u>J3</u>	11.1	24.2	1.02	09/14/2022 01:42	WG1925528		CII

### SAMPLE RESULTS - 06 L1534512

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	95.0		1	09/15/2022 09:54	WG1925559	Tc

### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	232		9.77	21.3	1.01	09/14/2022 22:11	WG1925578		

### SAMPLE RESULTS - 07 L1534512

Page 138 of 230

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.8		1	09/15/2022 09:54	WG1925559	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	267		9.70	21.1	1.03	09/14/2022 22:21	WG1925578		



### SAMPLE RESULTS - 08 L1534512

Page 139 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.1		1	09/15/2022 09:54	WG1925559	Tc

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	658		9.66	21.0	1.02	09/14/2022 22:30	WG1925578		CII	

### SAMPLE RESULTS - 09 L1534512

Page 140 of 230

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### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.2		1	09/15/2022 09:54	WG1925559	Tc

### Wet Chemistry by Method 300.0

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	329		10.3	22.3	1.03	09/14/2022 22:40	WG1925578		CII	



### SAMPLE RESULTS - 10 L1534512

Page 141 of 230

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	88.5		1	09/15/2022 09:54	WG1925559	Tc

### Wet Chemistry by Method 300.0

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	345		10.8	23.5	1.04	09/14/2022 22:49	WG1925578		CII	



#### SAMPLE RESULTS - 11 L1534512

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	88.1		1	09/15/2022 09:54	WG1925559	¯Тс

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	745		10.6	23.2	1.02	09/14/2022 22:59	WG1925578		CII	



### SAMPLE RESULTS - 12 L1534512

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	86.2		1	09/15/2022 09:54	WG1925559	¯Тс

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	5090		108	234	10.1	09/19/2022 01:38	WG1928246		CII	



### SAMPLE RESULTS - 13 L1534512

Page 144 of 230

### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	— Cp
Analyte	%			date / time		2
Total Solids	79.4		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0												
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch					
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn			
Chloride	3980		116	252	10	09/15/2022 03:54	WG1925733					
#### SAMPLE RESULTS - 14 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	78.0		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	531		12.3	26.7	1.04	09/14/2022 23:37	WG1925578		CII	



#### SAMPLE RESULTS - 15 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	85.6		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	4480		109	236	10.1	09/19/2022 01:54	WG1928246		CII	



#### SAMPLE RESULTS - 16 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	83.4		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	8660		113	245	10.2	09/15/2022 00:24	WG1925578		CII

#### SAMPLE RESULTS - 17 L1534512

Page 148 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	74.4		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1800		61.8	134	5	09/15/2022 00:34	WG1925578		CII

#### SAMPLE RESULTS - 18 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	83.9		1	09/15/2022 09:37	WG1925560	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1030		11.0	23.8	1	09/15/2022 00:43	WG1925578		



SDG: L1534512

#### SAMPLE RESULTS - 19 L1534512

Page 150 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	85.2		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	890		10.8	23.5	1	09/15/2022 00:53	WG1925578		



#### SAMPLE RESULTS - 20 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	84.5		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	982		11.3	24.6	1.04	09/15/2022 01:21	WG1925578		

#### SAMPLE RESULTS - 21 L1534512

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	87.5		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	193		11.0	24.0	1.05	09/15/2022 01:31	WG1925578		CII



#### SAMPLE RESULTS - 22 L1534512

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## Total Solids by Method 2540 G-2011

	F	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	g	6			date / time		2
Total Solids	5	38.3		1	09/15/2022 09:37	WG1925560	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	148		10.4	22.7	1	09/15/2022 01:41	WG1925578		CII



#### SAMPLE RESULTS - 23 L1534512

Page 154 of 230

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	94.1		1	09/15/2022 09:19	WG1925561	Tc

#### Wet Chemistry by Method 300.0

									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	186		9.78	21.3	1	09/15/2022 01:50	WG1925578		Сп

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#### SAMPLE RESULTS - 24 L1534512

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	97.1		1	09/15/2022 09:19	WG1925561	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	524		9.66	21.0	1.02	09/15/2022 04:04	WG1925733		CII



SDG: L1534512

#### SAMPLE RESULTS - 25 L1534512

Page 156 of 230

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	96.6		1	09/15/2022 09:19	WG1925561	Tc

									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			$^{4}$ Cn
Chloride	350		9.62	20.9	1.01	09/15/2022 02:00	WG1925578		

#### SAMPLE RESULTS - 26 L1534512

Page 157 of 230

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.3		1	09/15/2022 09:19	WG1925561	⁻Tc

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 ⁴Cn
Chloride	379		9.55	20.8	1	09/15/2022 04:13	WG1925733	



#### SAMPLE RESULTS - 27 L1534512

Page 158 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.5		1	09/15/2022 09:19	WG1925561	¯Тс

Wet Chemistry	y by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	327		9.63	20.9	1.01	09/15/2022 04:23	WG1925733	



#### SAMPLE RESULTS - 28 L1534512

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.1		1	09/15/2022 09:19	WG1925561	Tc

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	383		9.58	20.8	1	09/15/2022 04:32	WG1925733	CII



#### SAMPLE RESULTS - 29 L1534512

Page 160 of 230

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	96.7		1	09/15/2022 09:19	WG1925561	Tc

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	386		9.51	20.7	1	09/15/2022 04:42	WG1925733	CII

#### SAMPLE RESULTS - 30 L1534512

Page 161 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.5		1	09/15/2022 09:19	WG1925561	¯Тс

Wet Chemistry	by Method 300	0.0						<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	442		9.54	20.7	1	09/15/2022 04:51	WG1925733	



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Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534512-01,02

Page 162 of 230

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#### Method Blank (MB)

Method Blank	< (MB)				
(MB) R3837920-1 0	J9/15/22 10:18				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	Tc.
Total Solids	0.00600				
					<sup>3</sup> Ss

#### L1534501-27 Original Sample (OS) • Duplicate (DUP)

Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits	534501-27 Orig
	lyte

## Laboratory Control Sample (LCS)

(LCS) R3837920-2 09/	15/22 10:18				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 40 of 53

## Reg @ q & B & B & M 11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534512-03,04,05,06,07,08,09,10,11,12

Page 163 of 230

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## Method Blank (MB)

Method Blank	(IVIB)					1
(MB) R3837902-1 0	9/15/22 09:54					
	MB Result	MB Qualifier	MB MDL	MB RDL		2
Analyte	%		%	%		
Total Solids	0.000					
						3

## L1534512-07 Original Sample (OS) • Duplicate (DUP)

Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits
Analyte % % % %

## Laboratory Control Sample (LCS)

(LCS) R3837902-2 09	9/15/22 09:54				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:38

PAGE: 41 of 53

## Reg @ q & B & M 11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534512-13,14,15,16,17,18,19,20,21,22

Page 164 of 230

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## Method Blank (MB)

Method Blank	(MB)				
(MB) R3837894-1 C	)9/15/22 09:37				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	%		%	%	Tc
Total Solids	0.00300				
					<sup>3</sup> Ss

## L1534512-17 Original Sample (OS) • Duplicate (DUP)

Original Result DUP Result Dilution DUP RPD DUP Qualifier   Analyte % % %		Iginal Sample (OS) • Dupl /15/22 09:37 • (DUP) R3837894-3		
	alyte	Original Result DUP Result % %	Dilution DUP RPD <u>DUP Qualifier</u>	

## Laboratory Control Sample (LCS)

(LCS) R3837894-2 09/	15/22 09:37				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 42 of 53

## Reg @ q & B GD 1/11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534512-23,24,25,26,27,28,29,30

Page 165 of 230

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#### Method Blank (MB)

(MB) R3837892-1 09	9/15/22 09:19				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	%		%	%	
Total Solids	0.00200				

#### L1534512-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1534512-27 Origin		· · ·		· · ·		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte Total Solids	% 96.5	% 96.5	1	%		%
TOLAI SOIIUS	90.5	90.5	I	0.01/3		10

## Laboratory Control Sample (LCS)

(LCS) R3837892-2 09	9/15/22 09:19				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 43 of 53

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Wet Chemistry by Method 300.0

## QUALITY CONTROL SUMMARY L1534512-01,02,05

Page 166 of 230

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#### Method Blank (MB)

(MB) R3837802-1 09	/13/22 21:54			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

## L1534512-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1534512-05 09/14/22 01:42 • (DUP) R3837802-3 09/14/22 01:52 Original Result DUP Result Dilution DUP RPD DUP Qualifier Limits Avaluate and the second
(ary) (ary) <u> </u>
alyte mg/kg mg/kg % %

## L1534520-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1534520-05 09/14/22 02:01 • (DUP) R3837802-4 09/14/22 02:11	(D) 02027002 4 00/14/22 02:11	
	(DOF) R3837802-4 09/14/22 02.11	
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD (dry) (dry)		
Analyte mg/kg mg/kg % %	mg/kg % %	
Chloride     1110     1670     1     40.2 <u>J3</u> 20	1670 1 40.2 <u>J3</u> 20	

#### Laboratory Control Sample (LCS)

(LCS) R3837802-2 09/13	8/22 22:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	192	95.9	90.0-110	

## L1534520-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534520-05 09/14/2	22 02:01 • (MS)	R3837802-5 (	09/14/22 02:20	• (MSD) R383	7802-6 09/14/	22 02:30						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	583	1110	3770	4310	456	549	1	80.0-120	<u>E J5</u>	<u>E J5</u>	13.5	20

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PROJECT: 30094129

SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 44 of 53

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Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1534512-03,04,06,07,08,09,10,11,14,16,17,18,19,20,21,22,23,25

Method Blank (MB)

					$^{1}Cn$
(MB) R3837812-1 09	9/14/22 21:33				CP
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/kg		mg/kg	mg/kg	Тс
Chloride	U		9.20	20.0	

### L1534512-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1534512-25 09/15/2	22 02:00 • (DUF	9) R3837812-6	09/15/22	02:09		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	350	308	1.03	13.0		20

### Laboratory Control Sample (LCS)

(LCS) R3837812-2 09/1	4/22 21:43				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	190	95.0	90.0-110	

## L1534512-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534512-15 09/14/22	2 23:46 • (MS) F	3837812-4 09	/15/22 00:05 •	(MSD) R38378	12-5 09/15/22	00:15						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	584	1510	3270	3430	302	329	1.01	80.0-120	<u>E J5</u>	<u>E J5</u>	4.64	20

DATE/TIME: 09/20/22 10:38

PAGE: 45 of 53

Page 167 of 230

<sup>2</sup>Tc <sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Sr <sup>6</sup>Qc <sup>7</sup>Gl

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Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1534512-13,24,26,27,28,29,30

Page 168 of 230

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#### Method Blank (MB)

(MB) R3837909-1 09	9/15/22 03:26			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

#### L1534520-15 Original Sample (OS) • Duplicate (DUP)

L1534520-15 C	Driginal Sample	(OS) • Dup	') licate'	,DUP)				4
(OS) L1534520-15 0	9/15/22 07:24 • (DUP)	·) R3837909-3	09/15/22	2 07:33				_
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		5
Analyte	mg/kg	mg/kg		%		%		
Chloride	1500	1420	1.03	5.23		20		6

## L1534520-25 Original Sample (OS) • Duplicate (DUP)

L1534520-25 Origi	nal Sample	(OS) • Du	plicate	(DUP)		
(OS) L1534520-25 09/15/2	22 07:43 • (DUF	P) R3837909-4	09/15/22	2 07:52		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	294	317	1	7.35		20

#### Laboratory Control Sample (LCS)

(LCS) R3837909-2 09/15	/22 03:35				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	197	98.3	90.0-110	

## L1534520-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534520-25 09/15/2	22 07:43 • (MS)	R3837909-5	09/15/22 08:02	2 • (MSD) R383	7909-6 09/15	/22 08:11						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	516	294	817	770	101	92.1	1	80.0-120			5.91	20

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PROJECT: 30094129

SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 46 of 53

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## QUALITY CONTROL SUMMARY L1534512-12,15

Page 169 of 230

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#### Method Blank (MB)

(MB) R3838783-1 09/18/22 21:47							
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/kg		mg/kg	mg/kg			
Chloride	U		9.20	20.0			

#### L1535279-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1535279-03 09/19/22 02:45 • (DUP) R3838783-3 09/19/22 03:02 Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits
Analyte mg/kg mg/kg % %

## L1535557-02 Original Sample (OS) • Duplicate (DUP)

L1535557-02 Origi	inal Sample	(OS) • Du	plicate	(DUP)		
(OS) L1535557-02 09/19/	22 06:25 • (DUF	P) R3838783-6	6 09/19/2	2 06:42		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	U	1	0.000		20

#### Laboratory Control Sample (LCS)

(LCS) R3838783-2 09/18/22 22:04								
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier			
Analyte	mg/kg	mg/kg	%	%				
Chloride	200	204	102	90.0-110				

## L1535279-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1535279-03 09/19/2	22 02:45 • (MS)	R3838783-4 (	09/19/22 03:19	• (MSD) R3838	3783-5 09/19/2	22 04:10						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	U	519	525	104	105	1.03	80.0-120			1.04	20

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SDG: L1534512

DATE/TIME: 09/20/22 10:38

PAGE: 47 of 53

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#### 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.
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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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.

PROJECT: 30094129

SDG: L1534512 DATE/TIME: 09/20/22 10:38

PAGE: 48 of 53

# Received by OCD: 1/11/2023 12:35:38 PACCREDITATIONS & LOCATIONS

Page	171	of	230
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Τс

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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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
entucky <sup>16</sup>	KY90010	South Carolina	84004002
Centucky <sup>2</sup>	16	South Dakota	n/a
ouisiana	AI30792	Tennessee <sup>14</sup>	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Aichigan	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

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eport to: arah Johnson			Email To: sarah.johns	son@arcadis.co	n;william.foo	rd@arc									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:			
oject Description:		City/State	cuins,	NM	Please			5						1		http:	s://info.pacelabs.com s.pdf	hubfs/pas-standard-
andelario 24-1 Battery	Client Project	Collected:	2 30 m m	Lab Project #				Pre						127 - 14 14 - 14 14 - 14 - 14		SD	G# L153	4512
hone: 432-687-5400	30094129	1094129		CHEVARCN	M-CANDEL	24-1	4ozClr-NoPres										190	
Sarah Walch	Site/Facility ID	# 10 24-1 B/	ATTERY	P.O. #	2.0. #		0						Acctnum: CHEVO					
ollested by (signature):	Rush? (L Same Da		Day	Quote #		27 	1000	300,T								Pre	elogin: <b>P931</b> A: 526 - Chris	861
mmediately Packed on Ice N Y	Next Da Two Day Three D	10 D	y (Rad Only) ay (Rad Only)	Date Res	ults Needed	No. of		CHLORIDE-								PE	CR7	dEX Ground
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	s	CHLC									Remarks	Sample # (lab or
5137-5-0'-220908	G	SS	Gʻ	09/08/2				X										- 01
SB27-5-4-220908	G	SS	4'	09/08/1	1 1040	7 1		X									The second s	- 03
SB27-5-6'-220908	G	SS	6'	09/08/	5 - 1 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2			X			_		1.01.21					- GY
SB27-5-8'-220908		SS	81	09/08/2		200.00	-1	X									Autor	- 05
SB27-S-10'-220908	G	SS	10'	09/08/2			-	X										- 06
SB27-5-12'-220908	G	SS	121	09/08/		1	-	X										- 07
SB27-5-14-220908	G	55	14'	09/08/			-	X										- 08
SB27-5-16-220908	Ĝ	SS	16	09/08/	100		1	X										- 00
SB27-S-18-22090	s G	SS	18	09/08/	The second se	-	1	X	a haran									- 10
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	amples returne _ UPS FedE	d via: xCouri	er		acking #						Trip Blan	k Recei	ved: Yes	/ No	Preser	ro Head	dspace: Correct/Ch 0.5 mR/hr:	Y
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Iland. TX 79701 ort to: ah Johnson			Email To: sarah.johnso	on@arcadis.con	1. ~	statement in case of the local division of t									12065 Lebanon Rd Mo Submitting a sample vi constitutes acknowled Pace Terms and Condi https://info.pacelabs.	a this chain of custo gment and acceptar tions found at:	ay ice of the
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	Client Project 1 30094129	<b>#</b>		Lab Project # CHEVARCNI	M-CANDEL2	4-1	4ozClr-NoPres								Table #	<u></u>	
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hediately ked on Ice N Y	Next Da Two Da Three D	y 5 Day y 10 Da ay	y (Rad Only) ay (Rad Only)	Date Resi	Its Needed	No. of	CHLORIDE-								PBCR '	FedEX Gro	ound
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CHLC								Remarks	Sample #	11
B27-5-22'-220908	G	SS	22'	09/08/			x					and			an a	-	12
Bay-5-26-220908	G		24/21	6 09/08/1 09/08/1	and the second											-	13
B27-5-28-220908	9	SS	28'	09/08/	10-1		>	(								-	14
B27-5-30-220908 B27-5-24-220908	G	SS	30'	409/08	122 105			<				the second				-	16
528-5-0'-220908	G	SS	0'	09/08/	22 120	1000		X X								-	17
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W - WasteWater W - Drinking Water S	amples return UPSFed	Ex Couri	ier		racking #					Inc. Die	k Possi	ved: Yes/N	0	VOA Zer	<u>If Appli</u> o Headspace: ation Correct een <0.5 mR/H	/Checked:	$\frac{Y}{Y}$
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1004 N Big Spring Street Suite 121 Midland. TX 79701			1004 N Suite 12	ts Payable Big Spring Stre 1 1, TX 79701	et	Pres Chk								PEOPLI	RCC <sup>®</sup> Advancing science
Report to:	1.10		Email To:											IL TM	JLIET, TN
Sarah Johnson			sarah.johnson@arcadis.com;william.foord@arc					1.4				in the second			ount Juliet, TN 37122 a this chain of custody gment and acceptance of t
Project Description: Candelario 24-1 Battery		City/State Collected:	loving	NM	Please C PT MT		5					ur (Fil		Pace Terms and Condi	
Phone: <b>432-687-5400</b>	Client Project 30094129	Project # Lab Pi 1129 CHEV		Lab Project # CHEVARCNM-CANDEL24-1 P.O. #		24-1	4ozClr-NoPres							SDG # L153 4512	
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mmediately Packed on Ice N Y	Two Day	ay	ay (Rad Only)	1		No. of	ORIDE							PBCR	7·6-22 edEX Ground
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5B28-5-12'-220908	G	SS	121	09/06/72	1210	1	X								- 21
SB28-5-14'-220906	G	SS	14.	09/08/20	1210	1	X				1	- 34 - 			
31328-5-16'-220908	G	SS	16'	04/08/22	1211	1	X			1					- 23
3B28-5-18-220908	G	SS	18'	09/08/22	1212	1	X			100					- 24
3B28-5-20'-220908	Ĝ	SS	20'	09/08/22	1213	1	X								- 25
3Bae-5-22-22090E	G	SS	az'	09/08/22	1214	1	X								- 24
SB28-5-24-220909	G	SS	24	09/08/22	1215	1	X								- 27
3028-3-26'-220908	G	SS	26	09/08/22	1216	1	X								- 28
SB28-5-28-220908	G	SS	26'	09/08/20	1217	1	X								- 29
3B28-5-30'-220908	G	SS	30'	09/8/20	1218	1	X								- 30
Matrix: Ren - Soil AIR - Air F - Filter W - Groundwater B - Bioassay W - WasteWater	narks:						-1			pH	Temp Othe	E	COC Si Bottle	Sample Receipt Ch al Present/Intact gned/Accurate: s arrive intact: t bottles used:	NP Y -
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Arcadis - Chevron -	NM	3 <
Sample Delivery Group:	L1534520	Ţ.
Samples Received:	09/10/2022	5
Project Number:	30094129	
Description:	Candelario 24-1 Battery	6
Site:	CANDELARIO 24-1 BATTERY	7
Report To:	Sarah Johnson	ĺ (
	1004 N Big Spring Street	8
	Suite 121	

# Entire Report Reviewed By:

Chu, foph J me

Chris McCord Project Manager

Midland, TX 79701

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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DATE/TIME: 09/20/22 10:40

PAGE: 1 of 53

# TABLE OF CONTENTS

Page	17	70	f 23	:0
	÷.,	· · ·	,	~

Cp: Cover Page			1
Tc: Table of Contents			2
Ss: Sample Summary			4
Cn: Case Narrative			9
Sr: Sample Results			10
SB29-S-0-220909 L153452	0-01		10
SB29-S-4-220909 L153452	0-02		11
SB29-S-6-220909 L153452	0-03		12
SB29-S-8-220909 L153452	0-04		13
SB29-S-10-220909 L153452	20-05		14
SB29-S-12-220909 L153452	20-06		15
SB29-S-14-220909 L153452	20-07		16
SB29-S-16-220909 L153452	20-08		17
SB29-S-18-220909 L153452	20-09		18
SB29-S-20-220909 L15345	20-10		19
SB29-S-22-220909 L15345	20-11		20
SB29-S-24-220909 L15345	20-12		21
SB29-S-26-220909 L15345	20-13		22
SB29-S-28-220909 L15345	20-14		23
SB29-S-30-220909 L15345	20-15		24
SB30-S-0-220909 L153452	0-16		25
SB30-S-4-220909 L153452	0-17		26
SB30-S-6-220909 L153452	0-18		27
SB30-S-8-220909 L153452	0-19		28
SB30-S-10-220909 L153452	20-20		29
SB30-S-12-220909 L153452	20-21		30
SB30-S-14-220909 L153452	20-22		31
SB30-S-16-220909 L153452	20-23		32
SB30-S-18-220909 L153452	20-24		33
SB30-S-20-220909 L15345	20-25		34
SB30-S-22-220909 L15345	20-26		35
SB30-S-24-220909 L15345	20-27		36
SB30-S-26-220909 L15345	20-28		37
SB30-S-28-220909 L15345	20-29		38
SB30-S-30-220909 L15345	20-30		39
<b>Qc: Quality Control Summary</b>			40
Total Solids by Method 2540	G-2011		40
Wet Chemistry by Method 30	0.0		44
GI: Glossary of Terms			48
Al: Accreditations & Locations			49
aging: 3/20/2023 12:21:30 PM	PROJECT:	SDG:	DATE/TIME:

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM

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SDG: L1534520

09/20/22 10:40

PAGE: 2 of 53

50

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Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534520 DATE/TIME: 09/20/22 10:40

TIME: 2 10:40 PAGE: 3 of 53 Received by OCD: 1/11/2023 12:35:38 PM

# SAMPLE SUMMARY

Page 179 of 230

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			Collocted by	Collected date/time	Deceived de	to/time
SB29-S-0-220909 L1534520-01 Solid			Collected by Sarah Nolen	09/09/22 07:36	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925733	20.8	09/15/22 01:45	09/15/22 05:20	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB29-S-4-220909 L1534520-02 Solid			Sarah Nolen	09/09/22 07:36	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Fotal Solids by Method 2540 G-2011	WG1925561	1	09/15/22 09:12	09/15/22 09:19	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 05:30	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB29-S-6-220909 L1534520-03 Solid			Sarah Nolen	09/09/22 07:37	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925562	1	09/15/22 09:02	09/15/22 09:09	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	1.03	09/15/22 11:02	09/15/22 14:01	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB29-S-8-220909 L1534520-04 Solid			Sarah Nolen	09/09/22 07:38	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925562	1	09/15/22 09:02	09/15/22 09:09	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1.03	09/15/22 01:45	09/15/22 05:39	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB29-S-10-220909 L1534520-05 Solid			Sarah Nolen	09/09/22 07:39	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925562	1	09/15/22 09:02	09/15/22 09:09	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1925528	1	09/13/22 14:13	09/14/22 02:01	GEB	Mt. Juliet, Th
SB29-S-12-220909 L1534520-06 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:39	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925562	1	09/15/22 09:02	09/15/22 09:09	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 05:49	GEB	Mt. Juliet, TN
			Collected by	Collected date/time		
SB29-S-14-220909 L1534520-07 Solid			Sarah Nolen	09/09/22 07:40	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925562	1	09/15/22 09:02	09/15/22 09:09	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 05:58	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534520 DATE/TIME: 09/20/22 10:40

ie: ):40 PAGE: 4 of 53 Received by OCD: 1/11/2023 12:35:38 PM

# SAMPLE SUMMARY

Page 180 of 230

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SB29-S-16-220909 L1534520-08 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:41	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925562 WG1925733	1 1.01	09/15/22 09:02 09/15/22 01:45	09/15/22 09:09 09/15/22 06:08	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-18-220909 L1534520-09 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:41	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925562 WG1925733	1 1	09/15/22 09:02 09/15/22 01:45	09/15/22 09:09 09/15/22 06:17	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-20-220909 L1534520-10 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:42	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925562 WG1925733	1 1	09/15/22 09:02 09/15/22 01:45	09/15/22 09:09 09/15/22 06:27	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-22-220909 L1534520-11 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:43	Received date/time 09/10/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925562 WG1925733	1 1.04	09/15/22 09:02 09/15/22 01:45	09/15/22 09:09 09/15/22 06:36	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-24-220909 L1534520-12 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:44	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925562 WG1925733	1 1.03	09/15/22 09:02 09/15/22 01:45	09/15/22 09:09 09/15/22 06:46	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-26-220909 L1534520-13 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:45	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925564 WG1925733	1 1.02	09/15/22 14:21 09/15/22 01:45	09/15/22 14:37 09/15/22 07:14	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN
SB29-S-28-220909 L1534520-14 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:46	Received da 09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534520 DATE/TIME: 09/20/22 10:40

PAGE: 5 of 53
Received by OCD: 1/11/2023 12:35:38 PM

# SAMPLE SUMMARY

Page 181 of 230

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SB29-S-30-220909 L1534520-15 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 07:47	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1925733	1	09/15/22 01:45	09/15/22 07:24	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	to/timo
SB30-S-0-220909 L1534520-16 Solid			Sarah Nolen	09/09/22 09:16	09/10/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Net Chemistry by Method 300.0	WG1926030	10.2	09/15/22 11:02	09/15/22 14:19	GEB	Mt. Juliet, TN
			Collected by	Collected date/time		
SB30-S-4-220909 L1534520-17 Solid			Sarah Nolen	09/09/22 09:18	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	10.3	09/15/22 11:02	09/15/22 14:29	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB30-S-6-220909 L1534520-18 Solid			Sarah Nolen	09/09/22 09:19	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	1	09/15/22 11:02	09/15/22 14:39	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB30-S-8-220909 L1534520-19 Solid			Sarah Nolen	09/09/22 09:20	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	1	09/15/22 11:02	09/15/22 14:48	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB30-S-10-220909 L1534520-20 Solid			Sarah Nolen	09/09/22 09:21	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	1.05	09/15/22 11:02	09/15/22 14:58	GEB	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
SB30-S-12-220909 L1534520-21 Solid			Sarah Nolen	09/09/22 09:22	09/10/22 09	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1925564	1	09/15/22 14:21	09/15/22 14:37	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1926030	1.03	09/15/22 11:02	09/15/22 15:26	GEB	Mt. Juliet, TN

PROJECT: 30094129

SDG: L1534520 DATE/TIME: 09/20/22 10:40

E: :40 PAGE: 6 of 53 Received by OCD: 1/11/2023 12:35:38 PM

# SAMPLE SUMMARY

Page 182 of 230

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Net Chemistry by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925566 WG1926030	1	09/15/22 13:47	09/15/22 14:18	GEB	Mt. Juliet, TN Mt. Juliet, TN	
Fotal Solids by Method 2540 G-2011	WG1925566	1	date/time 09/15/22 13:47	date/time 09/15/22 14:18	СМК	Mt. Juliet, TN	
lethod	Batch	Dilution	Preparation	Analysis	Analyst	Location	
B30-S-26-220909 L1534520-28 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 09:29	Received da 09/10/22 09:		
	101020000	1.00	50, 0122 11.VZ	00, 0122 10.0 T	015	Junct, TN	
otal Solids by Method 2540 G-2011 /et Chemistry by Method 300.0	WG1925566 WG1926030	1 1.05	09/15/22 13:47 09/15/22 11:02	09/15/22 14:18 09/15/22 16:04	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
fethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
SB30-S-24-220909 L1534520-27 Solid			Sarah Nolen	09/09/22 09:28	09/10/22 09:	:00	
			Collected by	Collected date/time	Pacajuad da	to/timo	
Vet Chemistry by Method 300.0	WG1926030	1.03	09/15/22 11:02	09/15/22 15:55	GEB	Mt. Juliet, TN	
otal Solids by Method 2540 G-2011	WG1925566	1	09/15/22 13:47	09/15/22 14:18	СМК	Mt. Juliet, TN	
<i>l</i> ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
SB30-S-22-220909 L1534520-26 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 09:27	Received da 09/10/22 09:		
otal Solids by Method 2540 G-2011 Vet Chemistry by Method 300.0	WG1925566 WG1925733	1 1	09/15/22 13:47 09/15/22 01:45	09/15/22 14:18 09/15/22 07:43	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
			date/time	date/time	<b>,</b>		
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location	
SB30-S-20-220909 L1534520-25 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 09:26		Received date/time 09/10/22 09:00	
Net Chemistry by Method 300.0	WG1926030	1.05	09/15/22 11:02	09/15/22 15:45	GEB	Mt. Juliet, TN	
Total Solids by Method 2540 G-2011	WG1925566	1	09/15/22 13:47	09/15/22 14:18	СМК	Mt. Juliet, TN	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
SB30-S-18-220909 L1534520-24 Solid			Collected by Sarah Nolen	Collected date/time 09/09/22 09:25	Received da 09/10/22 09:		
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1925566 WG1927229	1 1	09/15/22 13:47 09/15/22 21:17	09/15/22 14:18 09/16/22 03:06	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
SB30-S-16-220909 L1534520-23 Solid		<b>D</b> # 4	Sarah Nolen	09/09/22 09:24	09/10/22 09:		
			Collected by	Collected date/time	Received da	te/time	
Fotal Solids by Method 2540 G-2011 Net Chemistry by Method 300.0	WG1925564 WG1926030	1 1	09/15/22 14:21 09/15/22 11:02	09/15/22 14:37 09/15/22 15:36	CMK GEB	Mt. Juliet, TN Mt. Juliet, TN	
			date/time	date/time	-		
SB30-S-14-220909 L1534520-22 Solid Method	Batch	Dilution	Preparation	Analysis	Analyst	Location	
SB30-S-14-220909 L1534520-22 Solid			Sarah Nolen	09/09/22 09:23	09/10/22 09:	:00	

PROJECT: 30094129

SDG: L1534520 DATE/TIME: 09/20/22 10:40

PAGE: 7 of 53 Received by OCD: 1/11/2023 12:35:38 PM

# SAMPLE SUMMARY

Page 183 of 230

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		Collected by	Collected date/time	Received da	te/time
		Sarah Nolen	09/09/22 09:30	09/10/22 09:	:00
Batch	Dilution	Preparation	Analysis	Analyst	Location
		date/time	date/time		
WG1925566	1	09/15/22 13:47	09/15/22 14:18	СМК	Mt. Juliet, TN
WG1926030	1	09/15/22 11:02	09/15/22 16:23	GEB	Mt. Juliet, TN
		Collected by	Collected date/time	Received da	te/time
		Sarah Nolen	09/09/22 09:32	09/10/22 09:	:00
Batch	Dilution	Preparation	Analysis	Analyst	Location
		date/time	date/time		
WG1925566	1	09/15/22 13:47	09/15/22 14:18	СМК	Mt. Juliet, TN
WG1926030	1.05	00/15/22 11:02	00/15/22 16:22	GEB	Mt. Juliet, TN
-	WG1925566 WG1926030 Batch WG1925566	WG1925566 1 WG1926030 1 Batch Dilution WG1925566 1	Batch Dilution Preparation date/time   WG1925566 1 09/15/22 13:47   WG1926030 1 09/15/22 11:02   Collected by Sarah Nolen Sarah Nolen   Batch Dilution Preparation date/time   WG1925566 1 09/15/22 11:02	Sarah Nolen09/09/22 09:30BatchDilutionPreparation date/timeAnalysis date/timeWG1925566109/15/22 13:4709/15/22 14:18 09/15/22 11:0209/15/22 16:23WG1926030109/15/22 11:0209/15/22 16:23Collected by Sarah NolenCollected date/time 09/09/22 09:32Collected date/time 09/09/22 09:32BatchDilutionPreparation date/time date/timeAnalysis date/time 09/09/22 09:32WG1925566109/15/22 13:4709/15/22 14:18	Sarah Nolen09/09/22 09:3009/10/22 09BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG1925566109/15/22 13:4709/15/22 14:18 09/15/22 11:02CMK 09/15/22 16:23GEBWG1926030109/15/22 11:0209/15/22 16:23 09/15/22 16:23GEBCollected by Sarah NolenCollected date/time 09/09/22 09:32Received da 09/10/22 09BatchDilutionPreparation date/time date/timeAnalysis date/timeAnalysis CMKWG1925566109/15/22 13:4709/15/22 14:18CMK

SDG: L1534520

PAGE: 8 of 53

# CASE NARRATIVE

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

Released to Imaging: 3/20/2023 12:21:30 PM Arcadis - Chevron - NM PROJECT: 30094129

SDG: L1534520

DATE/TIME: 09/20/22 10:40 PAGE: 9 of 53

#### SAMPLE RESULTS - 01 L1534520

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	83.9		1	09/15/2022 09:19	WG1925561	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	7880		228	496	20.8	09/15/2022 05:20	WG1925733		

SDG: L1534520

DATE/TIME: 09/20/22 10:40

#### SAMPLE RESULTS - 02 L1534520

Page 186 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	89.7		1	09/15/2022 09:19	WG1925561	ЪС

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1180		10.3	22.3	1	09/15/2022 05:30	WG1925733		CII



SDG: L1534520

DATE/TIME: 09/20/22 10:40

#### SAMPLE RESULTS - 03 L1534520

Page 187 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.4		1	09/15/2022 09:09	<u>WG1925562</u>	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	890		10.3	22.3	1.03	09/15/2022 14:01	WG1926030		CII

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 12 of 53

#### SAMPLE RESULTS - 04 L1534520

Page 188 of 230

1

## Total Solids by Method 2540 G-2011

	Resul	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.5		1	09/15/2022 09:09	WG1925562	Tc

Wet Chemistry by Method 300.0									<sup>3</sup> Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	1310		10.1	22.0	1.03	09/15/2022 05:39	WG1925733		





#### SAMPLE RESULTS - 05 L1534520

Page 189 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	85.8		1	09/15/2022 09:09	WG1925562	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry	y by Method 300	0.0	Wet Chemistry by Method 300.0								
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch				
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn		
Chloride	1110	<u>J3 J5</u>	10.7	23.3	1	09/14/2022 02:01	WG1925528		CII		

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 14 of 53

#### SAMPLE RESULTS - 06 L1534520

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.1		1	09/15/2022 09:09	WG1925562	¯Тс

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	636		9.99	21.7	1	09/15/2022 05:49	WG1925733		CII



# SAMPLE RESULTS - 07

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.7		1	09/15/2022 09:09	WG1925562	¯Тс

#### Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
Chloride	888		9.82	21.3	1	09/15/2022 05:58	WG1925733	

SDG: L1534520 DATE/TIME: 09/20/22 10:40

IME: 10:40 PAGE: 16 of 53

#### SAMPLE RESULTS - 08 L1534520

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.8		1	09/15/2022 09:09	WG1925562	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	781		10.0	21.8	1.01	09/15/2022 06:08	WG1925733		CII



#### SAMPLE RESULTS - 09 L1534520

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	85.9		1	09/15/2022 09:09	WG1925562	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn	
Chloride	320		10.7	23.3	1	09/15/2022 06:17	WG1925733		CII	



SDG: L1534520

DATE/TIME: 09/20/22 10:40

#### SAMPLE RESULTS - 10 L1534520

Page 194 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	91.1		1	09/15/2022 09:09	WG1925562	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	98.8		10.1	22.0	1	09/15/2022 06:27	WG1925733		

#### SAMPLE RESULTS - 11 L1534520

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	91.8		1	09/15/2022 09:09	WG1925562	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	160		10.4	22.7	1.04	09/15/2022 06:36	WG1925733		



#### SAMPLE RESULTS - 12 L1534520

Page 196 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.0		1	09/15/2022 09:09	<u>WG1925562</u>	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	162		10.3	22.4	1.03	09/15/2022 06:46	WG1925733		



#### SAMPLE RESULTS - 13 L1534520

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	97.5		1	09/15/2022 14:37	WG1925564	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	740		9.62	20.9	1.02	09/15/2022 07:14	WG1925733		CII



SDG: L1534520

DATE/TIME: 09/20/22 10:40



#### SAMPLE RESULTS - 14 L1534520

Page 198 of 230

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.2		1	09/15/2022 14:37	WG1925564	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	620		9.56	20.8	1	09/15/2022 14:10	<u>WG1926030</u>		CII	

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 23 of 53

#### SAMPLE RESULTS - 15 L1534520

Page 199 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	84.6		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1500		10.9	23.6	1	09/15/2022 07:24	WG1925733		

#### SAMPLE RESULTS - 16 L1534520

Page 200 of 230

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.2		1	09/15/2022 14:37	WG1925564	¯Тс

Wet Chemistry	Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn	
Chloride	2220		101	219	10.2	09/15/2022 14:19	WG1926030		CII	

#### SAMPLE RESULTS - 17 L1534520

Page 201 of 230

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	95.6		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1860		99.1	215	10.3	09/15/2022 14:29	WG1926030		CII

#### SAMPLE RESULTS - 18 L1534520

Page 202 of 230

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	98.8		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1200		9.31	20.2	1	09/15/2022 14:39	WG1926030		CII

#### SAMPLE RESULTS - 19 L1534520

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	97.8		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	1590		9.41	20.5	1	09/15/2022 14:48	WG1926030		CII



#### SAMPLE RESULTS - 20 L1534520

Page 204 of 230

1

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср	
Analyte	%			date / time		2	
Total Solids	91.5		1	09/15/2022 14:37	WG1925564	Tc	

#### Wet Chemistry by Method 300.0

Wet Chemistry by Method 300.0									
Result (dry) <u>Qualifier</u> MDL (dry) RDL (dry) Dilution Analysis <u>Batch</u>									
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	719		10.6	23.0	1.05	09/15/2022 14:58	WG1926030		CII

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 29 of 53

#### SAMPLE RESULTS - 21 L1534520

Page 205 of 230

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# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.3		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	145		10.3	22.3	1.03	09/15/2022 15:26	WG1926030		CII

#### SAMPLE RESULTS - 22 L1534520

Page 206 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.5		1	09/15/2022 14:37	WG1925564	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	258		9.84	21.4	1	09/15/2022 15:36	WG1926030		

#### SAMPLE RESULTS - 23 L1534520

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## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.3		1	09/15/2022 14:18	WG1925566	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	200		9.86	21.4	1	09/16/2022 03:06	WG1927229		

<sup>4</sup> Cn
⁵Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
°Sc

#### SAMPLE RESULTS - 24 L1534520

Page 208 of 230

1

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	95.3		1	09/15/2022 14:18	WG1925566	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			$^{4}$ Cn
Chloride	121		10.1	22.0	1.05	09/15/2022 15:45	WG1926030		CII



#### SAMPLE RESULTS - 25 L1534520

Page 209 of 230

1

#### Total Solids by Method 2540 G-2011

	 Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	96.8		1	09/15/2022 14:18	<u>WG1925566</u>	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	294		9.50	20.7	1	09/15/2022 07:43	WG1925733		CII



#### SAMPLE RESULTS - 26 L1534520

Page 210 of 230

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	93.4		1	09/15/2022 14:18	WG1925566	⁻Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			⁴Cn
Chloride	48.2		10.1	22.1	1.03	09/15/2022 15:55	WG1926030		CII

#### SAMPLE RESULTS - 27 L1534520

1

# Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	95.9		1	09/15/2022 14:18	WG1925566	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	70.9		10.1	21.9	1.05	09/15/2022 16:04	WG1926030		

#### SAMPLE RESULTS - 28 L1534520

Page 212 of 230

1

#### Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		90.3		1	09/15/2022 14:18	WG1925566	Tc

Wet Chemistry by Method 300.0									
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg		date / time			<sup>4</sup> Cn
Chloride	26.6		10.2	22.1	1	09/15/2022 16:14	WG1926030		CII

#### SAMPLE RESULTS - 29 L1534520

## Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		92.4		1	09/15/2022 14:18	WG1925566	Tc

#### Wet Chemistry by Method 300.0

Wet Chemistry	by Method 300	0.0						ໍSs
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		 <sup>4</sup> Cn
Chloride	72.1		9.96	21.6	1	09/15/2022 16:23	WG1926030	CII



SDG: L1534520

DATE/TIME: 09/20/22 10:40

#### SAMPLE RESULTS - 30 L1534520

1

## Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	91.0		1	09/15/2022 14:18	WG1925566	Tc

Wet Chemistry	y by Method 300	0.0						Ss
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg		date / time		<sup>4</sup> Cn
Chloride	77.3		10.6	23.1	1.05	09/15/2022 16:33	WG1926030	CII

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Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534520-01,02

Page 215 of 230

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#### Method Blank (MB)

Method Blank	< (MB)				$^{1}$ Cp
(MB) R3837892-1 C	)9/15/22 09:19				Ср
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	Tc
Total Solids	0.00200				
					<sup>3</sup> Ss

#### L1534512-27 Original Sample (OS) • Duplicate (DUP)

## Laboratory Control Sample (LCS)

(LCS) R3837892-2 09/15/22 09:19							
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	%	%	%	%			
Total Solids	50.0	50.0	100	85.0-115			

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 40 of 53

## Reg @ q & B CD 1/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534520-03,04,05,06,07,08,09,10,11,12

Page 216 of 230

GI

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## Method Blank (MB)

Method Blank	. (MB)				1
(MB) R3837891-1 0	9/15/22 09:09				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	
Total Solids	0.00300				
					3

#### L1534520-07 Original Sample (OS) • Duplicate (DUP)

L1534520-07 Or	<u> </u>	· · ·	· .	· · · ·		
os) L1534520-07 09/	/15/22 09:09 • (DL	JP) R3837891-3	3 09/15/22	2 09:09		
	Original Resul	t DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	93.7	92.9	1	0.893		10

## Laboratory Control Sample (LCS)

(LCS) R3837891-2 09/15/22 09:09							
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	%	%	%	%			
Total Solids	50.0	50.0	100	85.0-115			

DATE/TIME: 09/20/22 10:40
## Reg @ q & B CD 1/1/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534520-13,14,15,16,17,18,19,20,21,22

Page 217 of 230

GI

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#### Method Blank (MB)

#### L1534520-17 Original Sample (OS) • Duplicate (DUP)

L1534520-17 Ori	ginal Sample	(OS) • Dup	plicate (	DUP)			4
(OS) L1534520-17 09/1	5/22 14:37 • (DUP)	) R3838004-3	09/15/22	14:37			
	Original Result	t DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	<sup>5</sup> c
Analyte	%	%		%		%	
Total Solids	95.6	93.9	1	1.82		10	6

## Laboratory Control Sample (LCS)

(LCS) R3838004-2 09/	/15/22 14:37				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:40

PAGE: 42 of 53

## Reg @ q & B & B (11/2023 12:35:38 PM

Total Solids by Method 2540 G-2011

#### QUALITY CONTROL SUMMARY L1534520-23,24,25,26,27,28,29,30

Page 218 of 230

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#### Method Blank (MB)

2 4 4 4 9				
2 14:18				
MB Result	MB Qualifier	MB MDL	MB RDL	
%		%	%	
0.00100				
	MB Result %	MB Result <u>MB Qualifier</u> %	MB Result         MB Qualifier         MB MDL         M           %         %         %         %         %	MB Result     MB Qualifier     MB MDL     MB RDL       %     %

#### L1534520-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1534520-27 09/	<u> </u>		·				
	Original Result	DUP Result	Dilution		DUP Qualifier	JP RPD nits	
Analyte Total Solids	% 95.9	% 96.0	1	% 0.104			

## Laboratory Control Sample (LCS)

(LCS) R3838002-2 09/	15/22 14:18				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 09/20/22 10:40

PAGE: 43 of 53

## Reg @ q & D & 11/2023 12:35:38 PM

Wet Chemistry by Method 300.0

## QUALITY CONTROL SUMMARY L1534520-05

#### Method Blank (MB)

(MB) R3837802-1 09/	13/22 21:54			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

#### L1534512-05 Original Sample (OS) • Duplicate (DUP)

	_1534512-05 Or	riginal Sample	(OS) • Duj	plicate (	DUP)		
(dry) (dry) Dilution DOP RPD <u>DOP Qualifier</u> Limits Analyte mg/kg mg/kg % %	JS) L1534512-05 09	)/14/22 01:42 • (DUP)	R3837802-3	09/14/22	01:52		
				Dilution	DUP RPD	DUP Qualifier	
	nalyte	mg/kg	mg/kg		%		%
Chionae 794 1010 1 24.3 <u>J3</u> 20	Chloride	794	1010	1	24.3	<u>J3</u>	20

## L1534520-05 Original Sample (OS) • Duplicate (DUP)

_1534520-05 Orig	jinal Sample	(OS) • Du	plicate	(DUP)			
OS) L1534520-05 09/14	/22 02:01 • (DUF	) R3837802-4	1 09/14/22	2 02:11			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	NUP RPD imits	
Analyte	mg/kg	mg/kg		%		,	
Chloride	1110	1670	1	40.2	<u>J3</u>	0	

## Laboratory Control Sample (LCS)

(LCS) R3837802-2 09/13	/22 22:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	192	95.9	90.0-110	

## L1534520-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534520-05 09/14/2	22 02:01 • (MS)	R3837802-5	09/14/22 02:20	• (MSD) R383	7802-6 09/14/	22 02:30						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	583	1110	3770	4310	456	549	1	80.0-120	<u>E J5</u>	<u>E J5</u>	13.5	20

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PROJECT: 30094129

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 44 of 53

Page 219 of 230

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Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1534520-01,02,04,06,07,08,09,10,11,12,13,15,25

#### Method Blank (MB)

Method Blau	K (IVIB)						
(MB) R3837909-1	09/15/22 03:26						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/kg		mg/kg	mg/kg			
Chloride	U		9.20	20.0			

#### L1534520-15 Original Sample (OS) • Duplicate (DUP)

## L1534520-25 Original Sample (OS) • Duplicate (DUP)

L1534520-25 Orig	inal Sample	(OS) • Du	plicate	(DUP)		
(OS) L1534520-25 09/15/	'22 07:43 • (DUF	P) R3837909-4	4 09/15/22	2 07:52		
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	294	317	1	7.35		20

#### Laboratory Control Sample (LCS)

(LCS) R3837909-2 09/15	S) R3837909-2 09/15/22 03:35								
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier				
Analyte	mg/kg	mg/kg	%	%					
Chloride	200	197	98.3	90.0-110					

## L1534520-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534520-25 09/15/2	22 07:43 • (MS)	R3837909-5	09/15/22 08:02	2 • (MSD) R383	7909-6 09/15/	/22 08:11						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	516	294	817	770	101	92.1	1	80.0-120			5.91	20

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	Arcadis - Chevron - NM

PROJECT: 30094129

DATE/TIME: 09/20/22 10:40

PAGE: 45 of 53

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Wet Chemistry by Method 300.0

#### QUALITY CONTROL SUMMARY L1534520-03,14,16,17,18,19,20,21,22,24,26,27,28,29,30

Method Blank (MB)

MB R3837918-1       09/15/22       13:10         MB Result       MB Qualifier       MB MDL       MB RDL         Analyte       mg/kg       mg/kg       mg/kg         Chloride       U       9.20       20.0		
Analyte mg/kg mg/kg mg/kg	37918-1 09/15/22 13:10	
	MB Result <u>MB Qualifier</u> MB M	
	mg/kg mg/kg	
	U 9.20	

#### L1535088-01 Original Sample (OS) • Duplicate (DUP)

L1535088-01 Oriç	<u> </u>	· / /		· · ·			 	
(OS) L1535088-01 09/1			09/15/22	16:52				
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		
Analyte	mg/kg	mg/kg		%		%		
Chloride	6260	5850	10	6.74		20		

#### L1535658-07 Original Sample (OS) • Duplicate (DUP)

L1535658-07	Original Sample	(OS) • Du	plicate	(DUP)			
(OS) L1535658-07	09/15/22 17:58 • (DUP	) R3837918-6	09/15/22	18:08			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	JP RPD mits	
Analyte	mg/kg	mg/kg		%			
Chloride	9.90	9.80	1	0.991	Ţ	)	

#### Laboratory Control Sample (LCS)

(LCS) R3837918-2 09/15	LCS) R3837918-2 09/15/22 13:19								
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier				
Analyte	mg/kg	mg/kg	%	%					

## L1535088-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1535088-01 09/15/2	22 16:42 • (MS)	R3837918-4 09	9/15/22 17:20 •	(MSD) R38379	18-5 09/15/22	17:30						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	579	6260	6690	6870	74.5	105	10	80.0-120	V		2.57	20

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PROJECT: 30094129

DATE/TIME: 09/20/22 10:40

PAGE: 46 of 53

Page 221 of 230

## Regeinedby 9602 0/11/2023 12:35:38 PM

Wet Chemistry by Method 300.0

## QUALITY CONTROL SUMMARY L1534520-23

Page 222 of 230

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#### Method Blank (MB)

(MB) R3838036-1 09/	/15/22 22:22			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

#### L1534974-03 Original Sample (OS) • Duplicate (DUP)

	Original Sample						2
(OS) L1534974-03	09/16/22 04:26 • (DUF	) R3838036-?	3 09/16/21	2 04:41			
	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	Ę
Analyte				%		%	L
Chloride	24.9	22.5	1	10.0	Ţ	20	e

## L1535729-01 Original Sample (OS) • Duplicate (DUP)

L1535729-01 (	Driginal Sample	(OS) • Dup	olicate (	DUP)		
(OS) L1535729-01 (	)9/16/22 05:45 • (DUP	) R3838036-6	6 09/16/22	2 06:01		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	U	1	0.000		20

#### Laboratory Control Sample (LCS)

(LCS) R3838036-2 09/15	6/22 22:38				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	202	101	90.0-110	

## L1534974-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534974-03 09/16/2	(OS) L1534974-03 09/16/22 04:26 • (MS) R3838036-4 09/16/22 04:57 • (MSD) R3838036-5 09/16/22 05:13												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg				%	%		%			%	%	
Chloride	613	24.9	609	628	95.3	98.3	1	80.0-120			3.03	20	

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	Arcadis - Chevron - NM

PROJECT: 30094129

SDG: L1534520

DATE/TIME: 09/20/22 10:40

PAGE: 47 of 53

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#### 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 (dry)	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
-	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes
Analyte	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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

SDG: L1534520

# Received by OCD: 1/11/2023 12:35:38 PACCREDITATIONS & LOCATIONS

Page	224	of	230
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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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	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

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1534520 DATE/TIME: 09/20/22 10:40

PAGE: 49 of 53

eived by OCD: 1/11/2023 12:35 Arcadis - Chevron - NM			Billing Info						A	nalvsis / (	ontainei	Preserv		Chain of Custody Page 225 0			
1004 N Big Spring Street			1	ts Payable Big Spring Stre 21	eet	Pres Chk									- (P	ace <sup>.</sup>	
Suite 121 Midland. TX 79701			Midland	d, TX 79701											I PEOPL	E ADVANCING SCIENCE	
Report to:	2		Email To:										and the second second second	ULIET, TN			
Sarah Johnson Project Description:		City/Chake	sarah.johnson@arcadis.com;william.foord@arc							1.14						ount Juliet, TN 37122 a this chain of custody gment and acceptance of	
Candelario 24-1 Battery	City/State Collected:	ouing	NM	Please C PT MT		S			Sec.					Pace Terms and Condi			
Phone: 432-687-5400 Client Project # 30094129				Lab Project # CHEVARCN	M-CANDEL2	24-1	-NoPre								SDG # LIS		
Collected by (print): Site/Facility ID # CANDELARIO 24-1 B/			ATTERY	P.O. #		-	4ozClr	4ozClr-NoPres							9. –	191	
Collected by (signature):		Lab MUST Be ay Five	こうしょう たい ないない 人の語語の語				0,TS								Template:T211186		
Immediately Packed on Ice N YX	Next Da	y 5 Day y 10 Day	(Rad Only)	L Date Resu	Date Results Needed		CHLORIDE-300,TS	1							Prelogin: <b>P931861</b> PM: <b>526 - Chris McCord</b> PB: <b>AR7 - 6 - 2</b>		
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	HLO								Shipped Via: <b>F</b> Remarks	edEX Ground	
5029-5-0'-220909	G	SS	O'	09/09/2	26736	1	x									- 01	
SB29-5-6-220909	G	SS	4'	39/09/22	CARL STREET	1	Х					1				- 02	
5329-3-6'-220909		SS	6'	09/09/22	0737	1	X									- 03	
31329-5-8'-220909	G	SS	8	09/09/22	0738	1	X					-				- 04	
SB29-5-10-220909	G	SS	10'	Ca/09/22	0739	1	X			5.K						- 05	
SB29-5-12'-220909		SS	12	09/09/22	0739	1	X									- 06	
SB29-5-14-220909		SS	14'	09/09/22	0746	1	X									- 01	
SB29-5-16-220909	G	SS	161	09/09/22	0741	1	x									- 08	
SB29-S-18-220909	G	SS	181	09/09/22	0741	1	x									- 09	
SB29-S-20-220909	G	SS	201	09/09/22	0742	1	X	24 J						-	-	- 10	
S - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	narks:									pH Flow		Temp Other		COC Seal COC Sign Bottles	ample Receipt Ch Present/Intact: ed/Accurate: arrive intact: bottles used:		
DW - Drinking Water     Samples returned via:       OT - Other     UPSFedExCo				Track	ing #									Sufficie VOA Zero	nt volume sent: <u>If Applicab</u> Headspace:	Y	
Relinquished by : (Signature) Sorah .	Urian Da	te: 99/09/		too Recei	ved by: (Signat	ùre)			T	rip Blank I	Received	Yes / N HCL / I TBR			tion Correct/Che en <0.5 mR/hr:	cked: Y	
Relinquished by : (Signature) Date:		te:	Time	Receiv	ved by: (Signat	ure)	/	T		emp:	°C	Bottles Rec	eived:	If preserva	ation required by Log	in: Date/Time	
Relinquished by : (Signature)	Da	te:	Time	Receiv	ved for tab by:	Signat	IN A	L,		ate:	122	Time:	00	Hold:		Condition: NCF / OK	

eived by QCD: 1/11/2023 12:3.	5:38 PM —	1.1.1	Billing Info	ormation:			1. 10		Anal	lvsis / Cont	ainer / Prese	vative	Chain of Custody Page 22			
Arcadis - Chevron - NM				ts Payable Big Spring St	reet	Pres Chk							Pace		ace <sup>°</sup>	
Suite 121 Midland. TX 79701			Midland	i, TX 79701						2					PEDPLE ADVANCING SCIENCE	
Report to: Sarah Johnson				nson@arcadis.	d@arc								12065 Lebanon Rd M Submitting a sample v	ia this chain of custody		
		City/State Collected:	Louins		Please Ci PT MT		res							Pace Terms and Condi	constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard- terms.pdf	
Phone: <b>432-687-5400</b>	Client Project 30094129	:#		Lab Project I	I NM-CANDEL2	4-1	4ozClr-NoPres		100					SDG # 1	53 4520	
Collected by (print): Sarah Nolum	Site/Facility ID # CANDELARIO 24-1 BATTE Rush? (Lab MUST Be Notif Same Day Five Day		ATTERY	P.O. #			4ozClr							Table #	EVARCNM	
Collected by (signature):				Quote #										Template:T21	Acctnum: CHEVARCNM Template:T211186	
mmediately		y 5 Day y 10 Da			sults Needed	No. of	CHLORIDE-300,TS							Prelogin: P93 PM: 526 - Chri PR		
Packed on Ice N Y Sample ID	Comp/Grab	Matrix *			Date Time		HLORI								edEX Ground Sample # (lab only	
5329-5-22-22090	G	SS	22	09/09/	22 0743	1	X								- 11	
SB29-5-24-220909		SS	24	09/04/	20740	the second s	Х								- n	
5B29-5-26'-220909	G	SS	26	04/04h	7 0745	1	Х					11			- 13	
SB29-5-28-220909	G	SS	28	09/09/	22 0746	1	X								- ng	
SB29-5-30-22090	9 G	SS	30	09/09/2	7 0747	1	X							142 The second states	- 15	
SB30-5-0-220909	G	SS	01	09/09/2		1	X								- 16	
SB30-5-4'-220909	G	SS	4'	09/09/2	7 0918	1	X								- 17	
SB30-5-6-220909	G	SS	6'	09/09/2	1 0919	1	X								- 18	
SB30-5-8'-220909	G	SS	8.	08/09/2	0920	1	Х							1.	- 19	
SB30-S-10'-22090	G	SS	10'	09/09/	2 6921	1	X	1.7							- 75	
Re S - Soil AIR - Air F - Filter SW - Groundwater B - Bioassay WW - WasteWater	marks:									pH Temp Flow Other			Sample Receipt Checklist COC Seal Present/Intact:NP //1 COC Signed/Accurate: Bottles arrive intact: Correct bottles used:			
DW - Drinking Water Samples retu		via: Courier		Tra	acking #								Suffic: VOA Ze:	ient volume sent: <u>If Applicat</u> ro Headspace:	<u>y</u>	
Relinquished by : (Signature) Samh	Noter Di	09/09/	27 Time	°≓≠€0 <sup>Re</sup>	ceived by: (Signat	ure)	0		Trip	o Blank Red		/ MeoH		vation Correct/Ch reen <0.5 mR/hr:	ecked: _Y	
Relinquished by : (Signature) Date:		ate:	Time	e: Re	ceived by: (Signat	ure)	10	A	Ten	np:	the second s	Received:	If preser	vation required by Lo	gin: Date/Time	
Relinquished by : (Signature)	D	ate:	Time	e: Re	ceived for lab by:	(Signat	ture	_)	Dat 9	te:	Time:	908	Hold:		Condition: NCF / OK	

ceived by OCD: 1/11/2023 12:3	5:38 PM		Billing Infor	mation:			-75		- 1	Ana	Ivsis /	Containe	er / Preser	Valle					Page	227 of
1004 N Big Spring Street Suite 121			Accounts Payable 1004 N Big Spring Street Suite 121 Midland, TX 79701				Pres Chk	- Contraction of the second seco									-	PEOPLE A	Ce"	INCE
								-	-								12065	Lebanon Rd Moun	LIET, TN	22
				rah.johnson@arcadis.com;william.foord@a					-	-1 -94				1	1	Submit constit	ting a sample via th utes acknowledgm erms and Condition	his chain of cust ent and accepta ns found at:	tody ance of the	
roject Description: Candelario 24-1 Battery		City/State Collected:	oving	1		Please Cir PT MT C		res									https:/ terms.	/info.pacelabs.com pdf	n/hubfs/pas-sta	7 C
hone: 432-687-5400	Client Project # 30094129			Lab Project # CHEVARCNM-CANDEL2			4-1	4ozClr-NoPres								14 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	-	SDG # <b>LIS3 4</b> Table #		22
ollected by (print): Sarah Nolen	Site/Facility ID # CANDELARIO 24-1 BATT			P.O. #	1			S					10				Tem	tnum: CHE	1186	V
collected by (signature):	Rush? (Lab MUST Be N Same DayFive Da Next Day5 Day (			Date F	Quote # Date Results Needed		1	E-300,T			-						PM	Prelogin: <b>P931861</b> PM: <b>526 - Chris McCord</b> PB <b>C7 - Chris 7 - Chris</b>		.27
mmediately Packed on Ice N Y _X	Two Day	ay	ay (Rad Only Depth			Time	No. of Cntrs	CHLORIDE-										pped Via: Fe	dEX Gr	
Sample ID	Comp/Grab	Matrix *	Depth						-					,					-	21
5B30-5-12'-220909	G	SS	12			0922	1	X			-			Sec. 1				4	-	22
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SB30-S-16-220909	9	SS	16		9/27	1.	1154						-						-	24
SB30-5-18-220909	G	SS	18			0920	>	-						的后期				ANT IN I	-	25
SB30-5-20-220909	GG	SS	22	09/0		092		X												24
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SB30-5-24'220909 SB30-5-26-22090	GG	SS	26				<b>7</b> 1	X				~							-	29
SB30-5-28-22090	G	SS	28	09/0	9/22	093			-								- Ale		-	30
3B305-30-2200	99	SS	30	09/0	9/22	093	<u>م</u> ا الم	X	35		p	H	Tem	p		COC Sea	1 Prese	Receipt ( ent/Intac	hecklis	E V
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay	emarks:										12.5	ow	Oth		_	Bottles	arriv bottl ent vo	curate: e intact: es used: lume sent		TXXX -
WW - WasteWater				Tracking #							Trip Blank Received: Yes / No			If Applicable VOA Zero Headspace: Preservation Correct/Checked: RAD Screen <0.5 mR/hr:						
Relinquished by : (Signature) Sarah Nolon Date: 09/0			9/22	ime: 1700	Received by: (Signature) Received by: (Signature)								HCL / MeoH TBR °C Bottles Received:			If preservation required by Login: Date/Time				
Relinquished by : (Signature)		Date:		lime:		1		1	14	$\bigwedge$		1	1	me: A		Hold:				ondition:
Relinquished by : (Signature)		Date:		Time:	Rece	ived for lab	by: (Sig	mature)	te	1	Date	101	22	2	a			A CONTRACTOR	NO	CF / OK

Tracking	
Numbers	<u>Temperature</u>
5671 5376 7411	5.4
5829 4497 3886	2.2
5829 6699 3458	5.0
5829 6697 3447	2.3
φ <sup>1</sup>	

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

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	175138
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
amaxwell	Submitted report accepted as information only. Proceed with additional delineation and work plan development. Submit a work plan via the OCD permitting portal by 6/30/2023.	3/20/2023

Released to Imaging: 3/20/2023 12:21:30 PM

CONDITIONS

Page 230 of 230

Action 175138

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