# 2025 Annual Groundwater Monitoring and Corrective Action Report

**Limestone Electric Generating Station**
**Jewett, Texas**

**CCR RN 115**
**Landfill Unit (Unit 004)**

**January 31, 2026**

**Prepared For:**

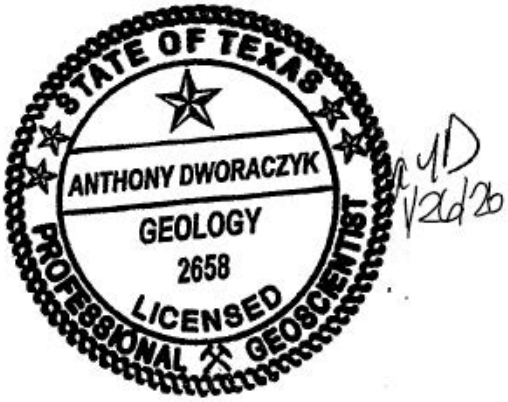
NRG Texas Power, LLC
Jewett, Texas

**Prepared By:**

TRC Environmental Corporation
11767 Katy Freeway, Suite 850
Houston, Texas 77079

Tony Dworaczyk, PG
Senior Project Manager

Gregory E. Tieman
Senior Client Service Manager






# TABLE OF CONTENTS


**Executive Summary** ..... **1**

**1.0 Introduction** ..... **2**

1.1 CCR Program Summary ..... 2
1.2 Corrective Measures and Corrective Action ..... 3
1.3 Station Overview ..... 3

**2.0 Groundwater Monitoring System and Hydrogeology** ..... **4**

2.1 Groundwater Monitoring Systems ..... 4
*2.1.1 Landfill (Unit 004)* ..... *4*
2.2 Semi-Annual Detection Monitoring Sampling ..... 5
*2.2.1 Monitoring Well Inspection* ..... *5*
*2.2.2 Quarterly Background Detection Monitoring* ..... *5*
*2.2.3 Semi-Annual Detection Monitoring* ..... *6*
*2.2.4 Analytical Laboratory* ..... *6*
*2.2.5 Laboratory and Field Analyses* ..... *6*
2.3 Laboratory Data Quality Review ..... 6
2.4 Groundwater Flow Direction, Gradient, and Rate ..... 6
2.5 Groundwater Sampling Methods ..... 7
2.6 Monitoring Wells Installed or Decommissioned ..... 7

**3.0 Status of Groundwater Monitoring and Corrective Action Program** ..... **8**

3.1 Semi-Annual Detection Monitoring Summary ..... 8
3.2 Key Actions Completed ..... 8
3.3 Problems Encountered and Resolution ..... 9

**4.0 Statistical Analysis and Results** ..... **9**

4.1 March 2025 Semi-Annual Detection Monitoring Event ..... 9
4.2 August 2025 Semi-Annual Detection Monitoring Event ..... 10

**5.0 Alternative Source Demonstrations** ..... **11**

5.1 Summary of ASDs ..... 12
*5.1.1 First Half (March) 2025* ..... *12*
*5.1.2 Second Half (August) 2025* ..... *12*
5.2 Detection Monitoring During 2025 ..... 13
5.3 Transition Between Monitoring Programs ..... 13

**6.0 Projected Key Activities and Timelines for 2026 ..... 13**

**7.0 Conclusions and Recommendations ..... 14**

**8.0 References ..... 16**

## TEXT TABLES

Table 4-1 Potential SSI – March 2025, Detection Monitoring, Landfill ..... 10
Table 4-2 Potential SSI – August 2025, Detection Monitoring, Landfill ..... 11

## FIGURES

Figure 1-1 Site Location Map
Figure 1-2 Landfill CCR Unit Location Map
Figure 2-1 Groundwater Monitoring Network – Landfill
Figure 2-2 Potentiometric Surface, March 2025
Figure 2-3 Potentiometric Surface, August 2025

## TABLES

Table 2-1 Summary of Groundwater Elevation Data
Table 2-2 Summary of Groundwater Monitoring Data – Appendix III
Table 2-3 Summary of Groundwater Monitoring Data – Appendix IV
Table 2-4 Gauging Data and Groundwater Field Parameters March 2025
Table 2-5 Gauging Data and Groundwater Field Parameters Resample April 2025
Table 2-6 Gauging Data and Groundwater Field Parameters May 2025
Table 2-7 Gauging Data and Groundwater Field Parameters August 2025
Table 2-8 Gauging Data and Groundwater Field Parameters Resample September 2025
Table 2-9 Gauging Data and Groundwater Field Parameters November 2025

## APPENDICES

Appendix A Detection Monitoring Data (March 2025)
Appendix B Quarterly Background Data (May 2025)
Appendix C Detection Monitoring Data (August 2025)
Appendix D Quarterly Background Data (November 2025)
Appendix E Laboratory Data Quality Review
Appendix F Alternative Source Demonstrations

## Executive Summary

Pursuant to 30 Texas Administrative Code (30 TAC) Chapter 352, Coal Combustion Residuals Waste Management and Registration Program for Coal Combustion Residuals (CCR), the owner or operator of an existing CCR unit must prepare an annual groundwater monitoring and corrective action report (Annual Report) no later than January 31, 2026, addressing the preceding calendar year. The information to be provided in the Annual Report is described in Subsection 1.2 of the Texas Commission on Environmental Quality (TCEQ) Draft Technical Guidance No. 32, Coal Combustion Residuals Groundwater Monitoring and Corrective Action. In addition, at the request of TCEQ, this Annual Report provides the field and laboratory analytical results for three years of monitoring: 2023, 2024, and 2025.

TRC Environmental Corporation (TRC) has prepared the *2025 Annual Groundwater Monitoring and Corrective Action Report* (Annual Report) for the Landfill (Unit 004) CCR unit located at the Limestone Electric Generating Station (Station) on behalf of NRG Texas Power, LLC (NRG). The Landfill (Unit 004) was the only CCR unit in operation at the Station during 2025. This Annual Report also provides the following information:

- The groundwater monitoring systems for the Landfill CCR unit operated under detection monitoring at the start and end of 2025; and
- Potential statistically significant increases (SSIs) of Appendix III CCR constituents identified above background in groundwater and provides the alternative source demonstrations (ASDs) addressing the potential SSIs that were successfully completed during 2025.

In conclusion, this Annual Report contains the information required pursuant to 30 TAC §352.901 and 30 TAC §352.902 of the TCEQ CCR Permit Program and TCEQ Draft Technical Guidance No. 32. In addition, at the request of TCEQ, this Annual Report provides the field and laboratory analytical results for three years of monitoring: 2023, 2024, and 2025. This information is provided in this Annual Report. No other information is required to be included in the Annual Report as specified in 30 TAC §352.971 and §352.981 of the TCEQ CCR Permit Program.

Based on the key activities performed during 2025, it is recommended that the Landfill (Unit 004) remain in detection monitoring subject to the following key activities and that the following project timeline be implemented during 2026:

- The *2025 Annual Report* will be prepared and placed into the Facility Operating Record (FOR) by January 31, 2026, submitted to the TCEQ within 30 days of placement in the FOR, and posted to the Station's publicly accessible CCR website by March 2, 2026,
- Both semi-annual groundwater detection monitoring events will be performed during the first and second halves of 2026 (March and August) for the Appendix III detection monitoring parameters,
- As necessary, the first and second half 2026 resampling detection monitoring events for the Landfill CCR will be performed within 30 days of the original monitoring events and samples will be reanalyzed for select Appendix III detection monitoring constituents,
- Groundwater potentiometric surface maps will be prepared for the first and second halves of 2026 semi-annual detection monitoring events,
- The flow rates and directions of groundwater flow will be determined for the first and second halves of 2026 semi-annual detection monitoring events,

- Statistical analysis and identification of potential SSIs will be performed for the first and second halves of 2026 semi-annual detection monitoring events,
- NRG will notify TCEQ, if required, if potential SSIs are identified and whether ASDs will be prepared for the first and second halves of 2026 semi-annual detection monitoring events,
- Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023 and added to the Landfill CCR Unit monitoring well network, to provide spacing per guidance between monitoring wells along the southwestern boundary of the Landfill. Eight rounds of quarterly sampling for development of a background water quality database was completed in November 2025. Wells will be sampled semi-annually during 2026 for Appendix III constituents,
- Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025 and added to the Landfill CCR Unit monitoring well network, to provide spacing per guidance between monitoring wells along the eastern and western boundary of the Landfill. These wells were sampled quarterly in 2025 and will be sampled quarterly during 2026 to develop a background water quality database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents,
- Three historic wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025, to provide spacing per guidance between monitoring wells along the western boundary of the Landfill. These wells were sampled quarterly in 2025 and will be sampled quarterly during 2026 to develop a background water quality database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents,
- Statistical analysis of the three new monitoring wells (MW-51, MW-52, and MW-53) and the three historic wells (MW-06, MW-09 and MW-16) will be conducted in April 2027 following receipt of the final background sampling event data, and
- Written ASDs will be prepared and submitted to TCEQ for review and approval, if required, to evaluate potential SSIs above background for the first and second halves of 2026 semi-annual detection monitoring events for the Landfill CCR unit.

# 1.0 Introduction

## 1.1 CCR Program Summary

On June 28, 2021, the United States Environmental Protection Agency (USEPA) published the final approval of the TCEQ partial State Coal Combustion Residuals (CCR) Permit Program, which became effective on July 28, 2021. The TCEQ adopted by reference the Federal CCR Program (40 CFR Part 257) as amended through the July 30, 2018 issue of the Federal Register (83 FR 36435), subject to the changes and additions provided in the TCEQ CCR Permit Program. As stated in USEPA's approval of the TCEQ CCR Permit Program on June 28, 2021, the TCEQ CCR Permit Program now operates in lieu of the Federal CCR program. Therefore, during 2025, the Landfill (Unit 004) CCR unit operated pursuant to the requirements of the TCEQ CCR Permit Program for the entirety of 2025.

Pursuant to the TCEQ CCR Permit Program, no later than January 31 of each calendar year, the owner or operator must prepare an annual groundwater monitoring and corrective action report (Annual Report) for the CCR unit(s) addressing the preceding calendar year. At a minimum, per TCEQ Draft Technical Guidance No. 32, the Annual Report must contain:

- A map, aerial image, or diagram showing the CCR unit(s) and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit(s),
- Narrative description of the Facility and Unit Descriptions and groundwater monitoring system, monitoring well inspection,
- Hydrogeology (groundwater flow rate and direction) with potentiometric surface map,
- Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken,
- In addition to all the monitoring data, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs and laboratory reports,
- Statistical analysis and results,
- A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and other information required to be included in the annual report, as specified in 30 TAC §§352.971 and 352.981, and
- Summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, conclusions and recommendations, and project timelines and key activities for the upcoming year.

TRC Environmental Corporation (TRC) has prepared the *2025 Groundwater Monitoring and Corrective Action Report* for the Landfill (Unit 004) CCR unit located at the Limestone Electric Generating Station (Station) on behalf of NRG Texas Power, LLC (NRG) in accordance with 30 TAC §352.901 and 30 TAC §352.902 of the TCEQ CCR Permit Program and TCEQ Draft Technical Guidance No. 32.

Pursuant to the TCEQ CCR Permit Program, NRG will comply with the recordkeeping requirements, the notification requirements, and will post the Annual Report to NRG's publicly accessible CCR Web site. In addition, pursuant to §352.902 of the TCEQ CCR Permit Program, NRG will submit the Annual Report to the TCEQ for review no later than 30 days after the report has been placed into the Station's FOR.

## 1.2 Corrective Measures and Corrective Action

Finally, since the Landfill (Unit 004) is not currently subject to corrective measures or corrective action activities under the TCEQ CCR Permit Program, the provisions of 30 TAC §352.971 and §352.981 of the TCEQ CCR Permit Program do not apply. Therefore, per §352.901 of the TCEQ CCR Permit Program, no other information relative to corrective measures or corrective action must be provided in this Annual Report.

## 1.3 Station Overview

The Station is located northwest of Jewett, near the borders of Limestone, Freestone, and Leon Counties, Texas (see Figure 1-1). The Station is bisected by Farm-to-Market Road 39 (FM39) with the electricity generating portion of the Station located to the west of FM39 in Limestone County and a solid waste disposal area (SWDA), which includes the Landfill (Unit 004) located to

the east of FM39. The Station currently uses western United States coal as a fuel source to power the boilers. The spent coal fuels or CCR have been classified by the TCEQ as a Class II Nonhazardous waste and consist of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge. During 2025, the Station had the following active CCR unit per the TCEQ CCR Permit Program:

- Landfill Unit (Unit 004).

The Landfill is located east of FM39 in the northern portion of the Station. The Landfill is located to the north of the intermittent Lynn Creek. The Landfill was constructed in 1980 and is used for the final placement of CCR. The Landfill is divided into multiple areas for organizational purposes. The western half of the landfill has reached capacity and was capped prior to the effective date of both the Federal CCR Rule on October 19, 2015, and the TCEQ CCR Permit Program. CCR is currently being placed at the southern portion of the landfill.

The location of the Landfill is shown on Figure 1-2.

# 2.0 Groundwater Monitoring System and Hydrogeology

## 2.1 Groundwater Monitoring Systems

The groundwater monitoring system for the Landfill CCR unit at the Station consists of a total of 20 monitoring wells installed into the uppermost aquifer, which are described in the subsections below. Four additional wells: MW-47, MW-48, MW-49, and MW-50; were installed during December 2023 and incorporated into the monitoring well network. Three additional wells: MW-51, MW-52 and MW-53, were installed in April 2025 and incorporated into the monitoring well network. Three historic wells: MW-06, MW-09 and MW-16 were added back into the monitoring well network in April 2025. The locations and identification numbers for the background (or upgradient) and downgradient groundwater monitoring wells that are part of the groundwater monitoring program are shown on Figure 2-1.

### *2.1.1 Landfill (Unit 004)*

The groundwater monitoring system for the Landfill consists of 14 monitoring wells (MW-1, MW-2, MW-06, MW-09, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-27R, MW-28R, MW-47, MW-48, MW-49, MW-50, MW-51, MW-52, and MW-53) screened into the uppermost aquifer (see Figure 2-1). Monitoring wells MW-16, MW-27R and MW-28R are located hydraulically upgradient of the Landfill and monitor background quality in the uppermost aquifer. The remaining 17 wells (MW-1, MW-2, MW-06, MW-19, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-47, MW-48, MW-49, MW-50, MW-51, MW-52 and MW-53) are located downgradient of the Landfill and monitor the quality of groundwater in the uppermost aquifer passing beneath the waste boundary of the Landfill.

Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023; three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025; and three historic monitoring wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025 , to provide spacing per guidance between monitoring wells along the eastern, western and southwestern boundary of the Landfill.

Monitoring wells MW-47, MW-48, MW-49, and MW-50 were sampled quarterly during 2024 and 2025 to develop a background water quality database, and will be sampled for Appendix III constituents semi-annually in 2026. Wells MW-06, MW-09, MW-16, MW-51, MW-52 and MW-53 were analyzed for three quarters in 2025 for both the Appendix III and Appendix IV CCR constituents to begin developing a background water quality database. Quarterly sampling will continue through the first quarter of 2027.

## 2.2 Semi-Annual Detection Monitoring Sampling

Hydrologic Monitoring Inc. (HMI) performed the quarterly background and semi-annual detection monitoring events during the first and second half of 2025 and the second and fourth quarter 2025 per §352.941 of the TCEQ CCR Permit Program. HMI performed the monitoring activities under contract to TRC.

The first half 2025 semi-annual detection monitoring event was conducted in March 2025, with the second half 2025 semi-annual detection monitoring event being performed in August 2025. Monitoring wells MW-06, MW-09, MW-16, MW-47, MW-48, MW-49, MW-50, MW-51, MW-52 and MW-53 were also sampled in quarter two 2025 (May) and quarter four 2025 (November) to develop a background water quality database.

### *2.2.1 Monitoring Well Inspection*

Prior to sample collection, each well was visually inspected for conditions that could potentially affect the validity of the analytical results. The results of the inspection were documented on a Water Sample Log. No deficiencies were noted in the monitoring wells during the 2025 semi-annual detection monitoring events.

### *2.2.2 Quarterly Background Detection Monitoring*

A total of eight quarterly background monitoring events were performed beginning in the third quarter of 2019 through the second quarter of 2021 for the 10 monitoring wells installed during that time period. The quarterly background samples were analyzed for both the Appendix III and Appendix IV Federal CCR Rule parameters. This background data set was used for comparison to 2025 semi-annual sampling events.

Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023 and added to the Landfill CCR Unit monitoring well network, to provide spacing per guidance between monitoring wells along the southwestern boundary of the Landfill. These wells were sampled quarterly during 2024 and 2025 to develop a background water quality database, and the samples were analyzed for both the Appendix III and Appendix IV CCR constituents. The last four quarterly events were completed in 2025 during March (first semi-annual event), May (second quarter), August (second semi-annual event) and November (fourth quarter).

Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025; and three historic wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025 , to provide spacing per guidance between monitoring wells along the eastern, and western boundary of the Landfill. These wells were analyzed in May (second quarter), August (second semi-annual event) and November (fourth quarter) in 2025 for both the

Appendix III and Appendix IV CCR constituents to begin developing a background water quality database. Quarterly sampling will continue through the first quarter of 2027.

### *2.2.3 Semi-Annual Detection Monitoring*

The Appendix III field and laboratory analytical data collected during the March 2025 and August 2025 semi-annual detection monitoring events were the eighth and ninth semi-annual detection monitoring events that used the new background water quality data set (2021) to identify potential SSIs for the Appendix III data.

### *2.2.4 Analytical Laboratory*

During 2025, the semi-annual detection monitoring groundwater samples were analyzed by ALS Environmental (ALS) located in Houston, Texas, which is a TCEQ certified laboratory (TCEQ ID T104704231). Radium samples were analyzed by Eurofins Environmental Testing located in Eather city, Missouri, which is a TCEQ certified laboratory (TCEQ ID T104704193).

### *2.2.5 Laboratory and Field Analyses*

The semi-annual groundwater detection monitoring samples were analyzed for the Appendix III CCR constituents pursuant to 30 TAC Chapter 352. The quarterly background samples for the ten new wells were analyzed for Appendix III and Appendix IV constituents pursuant to 30 TAC Chapter 352. Additionally, field parameters (pH, temperature, specific conductivity, and turbidity) were obtained for all monitoring wells during both semi-annual groundwater monitoring events performed during 2025.

Laboratory and field analytical data are provided in Appendices A and B. Semi-annual detection monitoring analytical data for 2023 through 2025 is summarized in Table 2-2.

## 2.3 Laboratory Data Quality Review

Upon receipt of the March, May, August and November 2025 groundwater monitoring analytical data from the analytical laboratory, the data were evaluated for completeness, overall quality and usability, method-specified sample holding times, precision and accuracy, and potential sample contamination.

TRC concluded that the March, May, August and November laboratory analytical data, analyzed by ALS, were complete and usable for the purposes of the CCR semi-annual detection monitoring program. Laboratory data quality review information is provided in Appendix C.

## 2.4 Groundwater Flow Direction, Gradient, and Rate

Static groundwater elevations were measured for each monitoring well at the Landfill CCR unit during each of the 2025 quarterly background and semi-annual detection monitoring sampling events prior to sample collection. These measurements are provided in Table 2-1. Groundwater potentiometric surface maps were developed for the March and August detection monitoring events to evaluate groundwater flow directions. The potentiometric surface maps are provided as Figures 2-2, and 2-3.

Groundwater is typically encountered at depths ranging from 2.63 (MW-01) to 30.28 (MW-28R) feet below top of casing (btoc) for the Landfill groundwater monitoring system, with the overall direction of groundwater flow beneath and in the vicinity of the Landfill to the south-southwest.

Based on the 2025 detection monitoring groundwater elevation data, there does not appear to be significant seasonal changes in groundwater flow direction at the Landfill CCR unit. The calculated groundwater gradients were variable depending on lithology and ranged from 0.0040 to 0.0044 feet/feet at the Landfill. The average groundwater flow velocity beneath the Landfill was 15 feet/year.

## 2.5 Groundwater Sampling Methods

Following the static depth-to-groundwater measurement, each monitor well was purged via low-flow sampling methods using a peristaltic pump or bladder pump. During purging, field parameters (pH, specific conductivity, dissolved oxygen [DO], turbidity, oxidation/reduction potential [ORP], and temperature) were measured with a sealed flow-through cell. All field parameters, except turbidity is measured inside the cell. Turbidity is measured outside of the cell. The flow rate during sampling was maintained at the same rate at which purging was conducted, approximately 200 milliliters per minute (mL/min). Purging continued until a requisite volume is purged and parameters stabilized. Adequate purging with respect to groundwater chemistry is achieved when stability for at least three (3) consecutive measurements is as follows:

- pH ± 0.1 standard unit (SU)
- specific conductance within 3%
- turbidity within 10% for values greater than 10 nephelometric turbidity units (NTUs). If three (3) turbidity readings are less than 10 NTUs, the values are considered to be stabilized.
- DO within 0.2 milligrams/Liter (mg/L) or 10% saturation, whichever is greater
- ORP within 10 millivolts (mV)

Following purging activities, groundwater samples were collected from dedicated tubing into laboratory-supplied containers provided by the analytical laboratory. Following collection, each sample was labeled, recorded on a chain-of-custody form, packed on ice in an insulated cooler, and submitted via hand delivery to ALS Environmental, in Houston, Texas and via FedEx to Eurofins Environmental Testing in Earth City, Missouri. Quality control and assurance methods were employed, including the collection and analyses of a duplicate sample, field blank, matrix spike (MS), and matrix spike duplicate (MSD).

Tables 2-4 through 2-9 include the Gauging Data and Groundwater Field Parameters for the sampling and re-sampling events conducted in 2025.

## 2.6 Monitoring Wells Installed or Decommissioned

No monitoring wells were decommissioned during 2025. Monitoring Wells MW-51, MW-52 and MW-53 were installed in April 2025 and historic monitoring wells MW-06, MW-09 and MW-16 were added back into the monitoring well network in April 2025.

# 3.0 Status of Groundwater Monitoring and Corrective Action Program

## 3.1 Semi-Annual Detection Monitoring Summary

This Annual Report provides the monitoring data for the quarterly background and semi-annual detection monitoring performed during March, May, August and November 2025 for the Landfill. In addition, this Annual Report provides the previous monitoring data from 2023,2024 and 2025. Based on the data and results of the monitoring activities during 2025, the status of the groundwater monitoring and corrective action program at the Station including key actions completed, problems encountered, and actions to resolve the problems are summarized in the following subsections.

## 3.2 Key Actions Completed

The following key actions were completed during 2025:

- The *2024 Annual Groundwater Monitoring and Corrective Action Report* was prepared per §257.90(e) and (f) of the Federal CCR Rule and 30 TAC Chapter 352 of the TCEQ CCR Permit Program, placed into the FOR by January 31, 2025, and posted to NRG's publicly accessible CCR website by March 2, 2025,
- The first and second half 2025 semi-annual detection monitoring events for the Landfill CCR unit were performed during March 2025 and August 2025 and the samples were analyzed for the Appendix III detection monitoring constituents,
- The first and second half 2025 resampling detection monitoring events for the Landfill CCR unit were performed during April 2025 and September 2025 and the samples were reanalyzed for select Appendix III detection monitoring constituents,
- The second and fourth quarter background monitoring events for the four new wells (MW-47, MW-48, MW-49, and MW-50) for the Landfill CCR unit were performed during May 2025 and November 2025 and were analyzed for the Appendix III and Appendix IV constituents,
- Three new wells (MW-51, MW-52 and MW-53) were installed in April 2025 and three historic wells (MW-06, MW-09 and MW-16) were added back into the monitoring well network in April 2025. These wells were sampled during the second quarter (May), second semi-annual event (August) and fourth quarter (November) of 2025 to begin developing a background water quality database and were analyzed for the Appendix III and Appendix IV constituents,
- To perform the statistical analysis for the first half 2025 (March) and second half 2025 (August) semi-annual detection monitoring events, the Appendix III analytical results were compared to the new background water quality data set developed using the eight quarterly detection monitoring events performed beginning in the third quarter of 2019 through the second quarter of 2021,
- Groundwater potentiometric surface maps were prepared for the Landfill CCR unit for the March and August 2025 semi-annual detection monitoring events,
- The directions and apparent flow rate of groundwater were determined,
- Potential SSIs above background were identified for the Landfill CCR unit for the first and second half 2025 semi-annual detection monitoring events,
- NRG notified TCEQ in April 2025 pursuant to the TCEQ CCR Permit Program that potential SSIs had been identified for the first half 2025 (March) semi-annual detection monitoring event and that an ASD will be prepared, which was submitted to TCEQ during July 2025, and

- NRG notified TCEQ in October 2025 pursuant to the TCEQ CCR Permit Program that potential SSIs had been identified for the second half 2025 (August) semi-annual detection monitoring event and that the ASD is included with this report submitted in the first quarter of 2026.

The Landfill CCR unit remained in detection monitoring during 2025 based on the successful completion/submittal of written ASDs. No corrective action activities were performed for the Landfill CCR unit pursuant to the TCEQ Permit Program during 2025.

### 3.3 Problems Encountered and Resolution

During 2025, no problems were encountered in the CCR groundwater monitoring program for the Station and no actions were taken to resolve problems.

## 4.0 Statistical Analysis and Results

This Annual Report identifies potential SSIs above background that were determined for groundwater samples collected during the March 2025 and August 2025 semi-annual detection monitoring events.

### 4.1 March 2025 Semi-Annual Detection Monitoring Event

Statistical analysis and identification of potential SSIs for the first half (March 2025) semi-annual detection monitoring event were completed in May 2025. Select analytes were resampled in April 2025 following receipt of the initial sampling data. The statistical analysis was conducted in accordance with the revised Statistical Methods Certification (August 2018) using (Lower Tolerance Limits) LTLs where applicable, and Upper Tolerance Limits (UTLs) per §257.93(f)(3) of the Federal CCR Rule and the TCEQ CCR Permit Program.

The eighth and final quarterly background detection monitoring event was performed during April 2021 as part of the development of a new background groundwater quality data set for the original 10 wells in the groundwater monitoring program. Statistical analysis and identification of potential SSIs for the March 2025 semi-annual detection monitoring event was performed using the new background water quality data set. Per the TCEQ CCR Permit Program, potential SSIs were identified in April 2025 for the March 2025 semi-annual detection monitoring event.

Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023 and added to the Landfill CCR Unit monitoring well network, to provide spacing per guidance between monitoring wells along the southwestern boundary of the Landfill. These wells were sampled quarterly during 2024 and 2025 to develop a background water quality database, and the samples were analyzed for both the Appendix III and Appendix IV CCR constituents. The last four quarterly events were completed in 2025 during March (first semi-annual event), May (second quarter), August (second semi-annual event) and November (fourth quarter). These wells will be sampled semi-annually in 2026.

The results of the statistical analysis for the March 2025 semi-annual detection monitoring event for the Landfill are summarized in the following table. Two potential SSIs were identified for upgradient monitoring well MW-28R and six potential SSIs were identified for downgradient

monitoring wells MW-01, MW-02, MW-21, MW-47 and MW-50. An ASD was performed during 2025 to evaluate the potential SSIs as discussed in Section 5.0, which is provided with the 2025 Annual Report. The ASD was also submitted to TCEQ during August 2025.

**Table 4-1**
**Potential SSI – March 2025, Detection Monitoring, Landfill**

| Analyte | Well | LTL | UTL | Sample Date | Value | Unit |
|---|---|---|---|---|---|---|
| **Upgradient Monitoring Well** | | | | | | |
| Fluoride | MW-28R | N/A | 0.26 | 4/24/2025 | 0.360 | mg/L |
| Sulfate | MW-28R | N/A | 890 | 4/24/2025 | 897 | mg/L |
| **Downgradient Monitoring Wells** | | | | | | |
| pH | MW-01 | 4.1 | 7.6 | 4/24/2025 | 3.80 | s.u. |
| Boron | MW-02 | N/A | 0.44 | 4/24/2025 | 0.776 | mg/L |
| Boron | MW-21 | N/A | 0.44 | 4/24/2025 | 0.823 | mg/L |
| Fluoride | MW-47 | N/A | 0.26 | 4/24/2025 | 0.390 | mg/L |
| Boron | MW-50 | N/A | 0.44 | 4/24/2025 | 0.913 | mg/L |
| Sulfate | MW-50 | N/A | 890 | 4/24/2025 | 1,510 | mg/L |

mg/L= milligrams per liter N/A = Not Applicable
LTL – Lower Tolerance Limit UTL – Upper Tolerance Limit s.u. – Standard Units

## 4.2 August 2025 Semi-Annual Detection Monitoring Event

Statistical analysis and identification of potential SSIs for the second half (August) 2025 semi-annual detection monitoring event was completed in October 2025. The statistical analysis was conducted in accordance with the revised Statistical Methods Certification (August 2018) using LTLs where applicable, and UTLs per §257.93(f)(3) of the Federal CCR Rule and the TCEQ CCR Permit Program.

Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025; and three historic wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025 , to provide spacing per guidance between monitoring wells along the eastern and western boundary of the Landfill. These wells were analyzed in May (second quarter), August (second semi-annual event) and November (fourth quarter) in 2025 for both the Appendix III and Appendix IV CCR constituents to begin developing a background water quality database. Quarterly sampling will continue through the first quarter of 2027.

The results of the statistical analysis for the August 2025 semi-annual detection monitoring event for the Landfill are summarized in the following table. Two potential SSIs were identified for upgradient monitoring wells MW-16 and MW-28R and six potential SSI were identified for downgradient monitoring wells MW-21, MW-47, MW-50 and MW-53. An ASD was performed to evaluate the potential SSIs as discussed in Section 5.0, which is provided with this Annual Report.

**Table 4-2**
**Potential SSI – August 2025, Detection Monitoring, Landfill**

| Analyte | Well | LTL | UTL | Sample Date | Value | Unit |
|---|---|---|---|---|---|---|
| **Upgradient Monitoring Well** | | | | | | |
| Fluoride | MW-16 | N/A | 0.26 | 9/4/2025 | 0.760 | mg/L |
| Fluoride | MW-28R | N/A | 0.26 | 9/4/2025 | 0.330 | mg/L |
| **Downgradient Monitoring Wells** | | | | | | |
| Boron | MW-21 | N/A | 0.44 | 9/4/2025 | 0.596 | mg/L |
| Fluoride | MW-47 | N/A | 0.26 | 9/4/2025 | 0.390 | mg/L |
| Boron | MW-50 | N/A | 0.44 | 9/4/2025 | 0.840 | mg/L |
| Sulfate | MW-50 | N/A | 890 | 9/4/2025 | 1,570 | mg/L |
| Boron | MW-53 | N/A | 0.44 | 9/4/2025 | 0.665 | mg/L |
| Fluoride | MW-53 | N/A | 0.26 | 9/4/2025 | 0.570 | mg/L |

mg/L= milligrams per liter
N/A = Not Applicable
LTL – Lower Tolerance Limit
UTL – Upper Tolerance Limit

## 5.0 Alternative Source Demonstrations

As described in Section 4.0, potential SSIs above background levels were identified for the first half (March) 2025, and the second half (August) 2025 semi-annual detection monitoring events. ASDs were prepared for both semi-annual detection monitoring events that successfully documented that alternative sources or historical errors in statistical analysis were responsible for the potential SSIs observed. The first half (March) 2025 ASD was submitted to TCEQ during August 2025. The second half (August) 2025 ASD will be submitted to TCEQ with this Annual Report. The two ASDs are appended to this Annual Report.

Pursuant to §257.94(e)(2) of the Federal CCR Rule and the TCEQ CCR Permit Program, the owner or operator may demonstrate that a source other than the CCR unit caused the SSI(s) over background levels for a constituent or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. To evaluate the potential SSIs and to determine whether an ASD could be successfully demonstrated, ASDs were completed and certified by a qualified Texas P.E. during 2025 per the Federal CCR Rule as follows:

- In August 2025, an ASD was certified for eight potential SSIs identified for the Landfill CCR unit for the first half (March) 2025 semi-annual detection monitoring sampling event; and
- In December 2025, an ASD was certified for eight potential SSIs identified for the Landfill CCR unit for the second half (August) 2025 semi-annual detection monitoring sampling event.

Pursuant to the TCEQ CCR Permit Program, ASDs successfully demonstrated alternative sources or issues with laboratory data analytical quality for the Landfill CCR unit. Therefore, the Landfill remained in detection monitoring during 2025. The ASDs for the two semi-annual

detection monitoring events are discussed in the subsections below. The completed ASDs are provided in Appendix D.

## 5.1 Summary of ASDs

### *5.1.1 First Half (March) 2025*

The first half (March) 2025 ASD was successfully completed for the Landfill during August 2025. The results for the ASD for the first half (March) 2025 semi-annual detection monitoring sampling event is summarized below:

- March 2025. Eight potential SSIs were identified. Fluoride and sulfate were identified for upgradient monitoring well MW-28R. Boron was identified for downgradient monitoring wells MW-02, MW-21 and MW-50; fluoride was identified for downgradient monitoring well MW-47; pH was identified for downgradient monitoring well MW-01; and sulfate was identified for downgradient monitoring well MW-50. The following alternative sources were identified for the potential SSIs:

    1) Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix II detection monitoring constituents,
    2) As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitoring wells were installed into and screened across these seams,
    3) The Jewett lignite surface mine is located approximately 1.5 miles south of the Landfill,
    4) Natural variations in groundwater geochemistry likely related to changes in pH, ion exchanges, ED, and/or salinity; and
    5) Various concentrations of Appendix III & IV constituents naturally occurring the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenically in the groundwater beneath the site, impacting the groundwater geochemistry.

The ASD was submitted to TCEQ during August 2025 for review and approval by TCEQ.

### *5.1.2 Second Half (August) 2025*

The second half (August) 2025 ASD was successfully completed for the Landfill during December 2025. The results for the ASD for the second half (August) 2025 semi-annual detection monitoring sampling event is summarized below:

- August 2025. Eight potential SSIs were identified. Fluoride was identified at upgradient monitoring wells MW-16 and MW-28R. Boron was identified at downgradient monitoring wells MW-21, MW-50 and MW-53; sulfate was identified at downgradient monitoring well MW-50; and fluoride was identified at downgradient monitoring well MW-53. The following alternative sources were identified for the potential SSIs:

1) Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents;
2) As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitor wells were installed into and screened across these seams;
3) The Jewett lignite surface mine is located approximately 1.5 south of the Landfill;
4) Natural variations in groundwater geochemistry are likely related to changes in pH, ion exchanges, EC, and/or salinity; and
5) Various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

The ASD is submitted to TCEQ as part of this Annual Report for review and approval by TCEQ (see Appendix F).

### 5.2 Detection Monitoring During 2025

As discussed previously, written ASDs were completed and certified by a qualified Texas P.E. during 2025 for the Landfill CCR unit. The ASDs successfully demonstrated that alternative sources were responsible for the potential SSIs identified in groundwater for the first half (March) 2025 and second half (August) 2025 semi-annual detection monitoring events. Therefore, the Landfill CCR unit remained in the detection monitoring program at the start and end of 2025.

### 5.3 Transition Between Monitoring Programs

During 2025, the groundwater monitoring system for the Landfill CCR unit remained in detection monitoring. Therefore, there was no transition between detection and assessment monitoring programs for the Landfill CCR unit during 2025.

## 6.0 Projected Key Activities and Timelines for 2026

Key activities and project timelines for 2026 will be performed pursuant to TCEQ's CCR Permit Program and are as follows:

- The *2025 Annual Report* will be prepared and placed into the FOR by January 31, 2026, submitted to the TCEQ within 30 days of placement in the FOR, and posted to the Station's publicly accessible CCR website by March 2, 2026,
- Both semi-annual groundwater detection monitoring events will be performed during the first and second halves of 2026 (March and August) for the Appendix III detection monitoring parameters,
- As necessary, the first and second half 2026 resampling detection monitoring events for the Landfill CCR will be performed within 30 days of the original monitoring events and samples will be reanalyzed for select Appendix III detection monitoring constituents,

- Groundwater potentiometric surface maps will be prepared for the first and second halves of 2026 semi-annual detection monitoring events,
- The flow rates and directions of groundwater flow will be determined for the first and second half of 2026 semi-annual detection monitoring events,
- Statistical analysis and identification of potential SSIs will be performed for the first and second halves of 2026 semi-annual detection monitoring events,
- NRG will notify TCEQ, if required, if potential SSIs are identified and whether ASDs will be prepared for the first and second half of 2026 semi-annual detection monitoring events,
- Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025 and added to the Landfill CCR Unit monitoring well network, to provide a minimum of a 500-foot spacing between monitoring wells along the eastern and western boundary of the Landfill. These wells will be sampled quarterly during 2026 to develop a background water quality data database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents,
- Three historic monitoring wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025, to provide a minimum of a 500-foot spacing between monitoring wells along the eastern and western boundary of the Landfill. These wells will be sampled quarterly during 2026 to develop a background water quality data database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents,
- Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023 and added to the Landfill CCR Unit monitoring well network, to provide a minimum of a 500-foot spacing between monitoring wells along the southwestern boundary of the Landfill. Background sampling was completed in the fourth quarter of 2025. These wells will be sampled semi-annually during 2026 for Appendix III constituents,
- Statistical analysis of monitoring wells MW-47, MW-48, MW-49 and MW-50 will be completed in January 2026 following receipt of all eight background sampling event data sets, and
- Written ASDs will be prepared and submitted to TCEQ for review and approval, if required, to evaluate potential SSIs above background for the first and second halves of 2026 semi-annual detection monitoring events for the Landfill CCR unit.

## 7.0 Conclusions and Recommendations

In conclusion, this Annual Report contains the information required pursuant to 30 TAC §352.901 and 30 TAC §352.902 of the TCEQ CCR Permit Program and TCEQ Draft Technical Guidance No. 32 of the TCEQ CCR Permit Program. In addition, at the request of TCEQ, this Annual Report provides the field and laboratory analytical results for three years of monitoring: 2023, 2024, and 2025. This information is provided in this Annual Report. No other information is required to be included in the Annual Report as specified in 30 TAC §352.971 and §352.981 of the TCEQ CCR Permit Program. The following key actions were completed during 2025:

- The *2024 Annual Groundwater Monitoring and Corrective Action Report* was prepared per §257.90(e) and (f) of the Federal CCR Rule and 30 TAC Chapter 352 of the TCEQ CCR Permit Program, placed into the FOR by January 31, 2025, and posted to NRG's publicly accessible CCR website by March 2, 2025,
- The first and second half 2025 semi-annual detection monitoring events for the Landfill CCR unit were performed during March 2025 and August 2025 and the samples were analyzed for the Appendix III detection monitoring constituents,

- The first and second half 2025 resampling detection monitoring events for the Landfill CCR unit were performed during April and September 2025 and the samples were reanalyzed for select Appendix III detection monitoring constituents,
- To perform the statistical analysis for the first half 2025 (March) and second half 2025 (August) semi-annual detection monitoring events, the Appendix III analytical results were compared to the new background water quality data set developed using the eight quarterly detection monitoring events performed beginning in the third quarter of 2019 through the second quarter of 2021,
- Groundwater potentiometric surface maps were prepared for the Landfill CCR unit for the March 2025 and August 2025 semi-annual detection monitoring events,
- The directions and apparent flow rate of groundwater were determined,
- Potential SSIs above background were identified for the Landfill CCR unit for the first and second half 2025 semi-annual detection monitoring events,
- The second and fourth quarter background monitoring events for the four new wells (MW-47, MW-48, MW-49, and MW-50) for the Landfill CCR unit were performed during May 2025 and November 2025 and were analyzed for the Appendix III and Appendix IV constituents,
- Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025 and added to the Landfill CCR Unit monitoring well network, to provide spacing per guidance between monitoring wells along the eastern and western boundary of the Landfill. These wells were sampled quarterly in 2025 and were analyzed for both Appendix III and Appendix IV CCR constituents,
- Three historic wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025, to provide spacing per guidance between monitoring wells along the western boundary of the Landfill. These wells were sampled quarterly in 2025 for both Appendix III and Appendix IV CCR constituents,
- NRG notified TCEQ in April 2025 pursuant to the TCEQ CCR Permit Program that potential SSIs had been identified for the first half 2025 (March) semi-annual detection monitoring event and that an ASD will be prepared, which was submitted to TCEQ during August 2025, and
- NRG notified TCEQ in October 2025 pursuant to the TCEQ CCR Permit Program that potential SSIs had been identified for the second half 2025 (August) semi-annual detection monitoring event and that NRG intends to prepare and submit an ASD to TCEQ with this Annual Report during the first quarter of 2026.

Based on the key activities performed during 2025, it is recommended that the Landfill (Unit 004) remain in semi-annual detection monitoring subject to the following key activities and that the following project timeline be implemented during 2026:

- The *2025 Annual Report* will be prepared and placed into the FOR by January 31, 2026, submitted to the TCEQ within 30 days of placement in the FOR, and posted to the Station's publicly accessible CCR website by March 2, 2026,
- Both semi-annual groundwater detection monitoring events will be performed during the first and second halves of 2026 (March and August) for the Appendix III detection monitoring parameters,
- As necessary, the first and second half 2026 resampling detection monitoring events for the Landfill CCR will be performed within 30 days of the original monitoring events and samples will be reanalyzed for select Appendix III detection monitoring constituents,

- Groundwater potentiometric surface maps will be prepared for the first and second halves of 2026 semi-annual detection monitoring events,
- The flow rates and directions of groundwater flow will be determined for the first and second halves of 2026 semi-annual detection monitoring events,
- Statistical analysis and identification of potential SSIs will be performed for the first and second halves of 2026 semi-annual detection monitoring events,
- NRG will notify TCEQ, if required, if potential SSIs are identified and whether ASDs will be prepared for the first and second half of 2026 semi-annual detection monitoring events,
- Four new monitoring wells (MW-47, MW-48, MW-49, and MW-50) were installed in December 2023 and added to the Landfill CCR Unit monitoring well network along the southwestern boundary of the Landfill. The background water quality data set was completed in November 2025. These wells will be sampled semi-annually during 2026 for Appendix III CCR constituents,
- Statistical analysis of the eight background sampling events for monitoring wells MW-47, MW-48, MW-49, and MW-50 will be conducted in January 2026 following the final background sampling event that occurred in November 2025,
- Three new monitoring wells (MW-51, MW-52 and MW-53) were installed in April 2025 and added to the Landfill CCR Unit monitoring well network, to provide a minimum of a 500-foot spacing between monitoring wells along the eastern and western boundary of the Landfill. These wells will be sampled quarterly during 2026 to develop a background water quality data database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents,
- Three historic monitoring wells (MW-06, MW-09 and MW-16) were added back into the Landfill CCR Unit monitoring well network in April 2025, to provide a minimum of a 500-foot spacing between monitoring wells along the eastern and western boundary of the Landfill. These wells will be sampled quarterly during 2026 to develop a background water quality data database, and the samples will be analyzed for both the Appendix III and Appendix IV CCR constituents, and
- Written ASDs will be prepared and submitted to TCEQ for review and approval, if required, to evaluate potential SSIs above background for the first and second halves of 2026 semi-annual detection monitoring events for the Landfill CCR unit.

## 8.0 References


Federal Register, Vol. 80 No. 74, April 17, 2015, 40 CFR Parts 257 and 261, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule.

Federal Register, Vol. 85, No. 168, August 28, 2020, 40 CFR Part 257, Hazardous and Solid Waste Management System; Disposal of CCR from Electric Utilities; A Holistic Approach to Closure Part A: Deadline to Initiate Closure.

ERM, Sampling and Analysis Plan, October 2017, Limestone Electric Generating Station, Jewett, Texas.

ERM, CCR Statistical Analysis Plan, October 2017, Limestone Electric Generating Station, Jewett, Texas.

ERM, Annual Groundwater Monitoring and Corrective Action Report, January 31, 2018, Limestone Electric Generating Station, Secondary E Pond Unit (Unit 003), Jewett, Texas.

TCEQ, Draft Technical Guidance No. 32, Coal Combustion Residuals Groundwater Monitoring and Corrective Action.

TCEQ, 30 TAC Chapter 352, Coal Combustion Residuals Waste Management and Registration Program for Coal Combustion Residuals (CCR) Implementation.

TRC, 2018 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2019, Limestone Electric Generating Station, Secondary E Pond (Unit 003) and Landfill (Unit 004), Jewett, Texas.

TRC, 2019 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2020, Limestone Electric Generating Station, Secondary E Pond (Unit 003) and Landfill (Unit 004), Jewett, Texas.

TRC, 2020 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2021, Limestone Electric Generating Station, Secondary E Pond (Unit 003) and Landfill (Unit 004), Jewett, Texas.

TRC, 2021 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2022, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

TRC, 2022 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2023, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

TRC, 2023 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2024, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

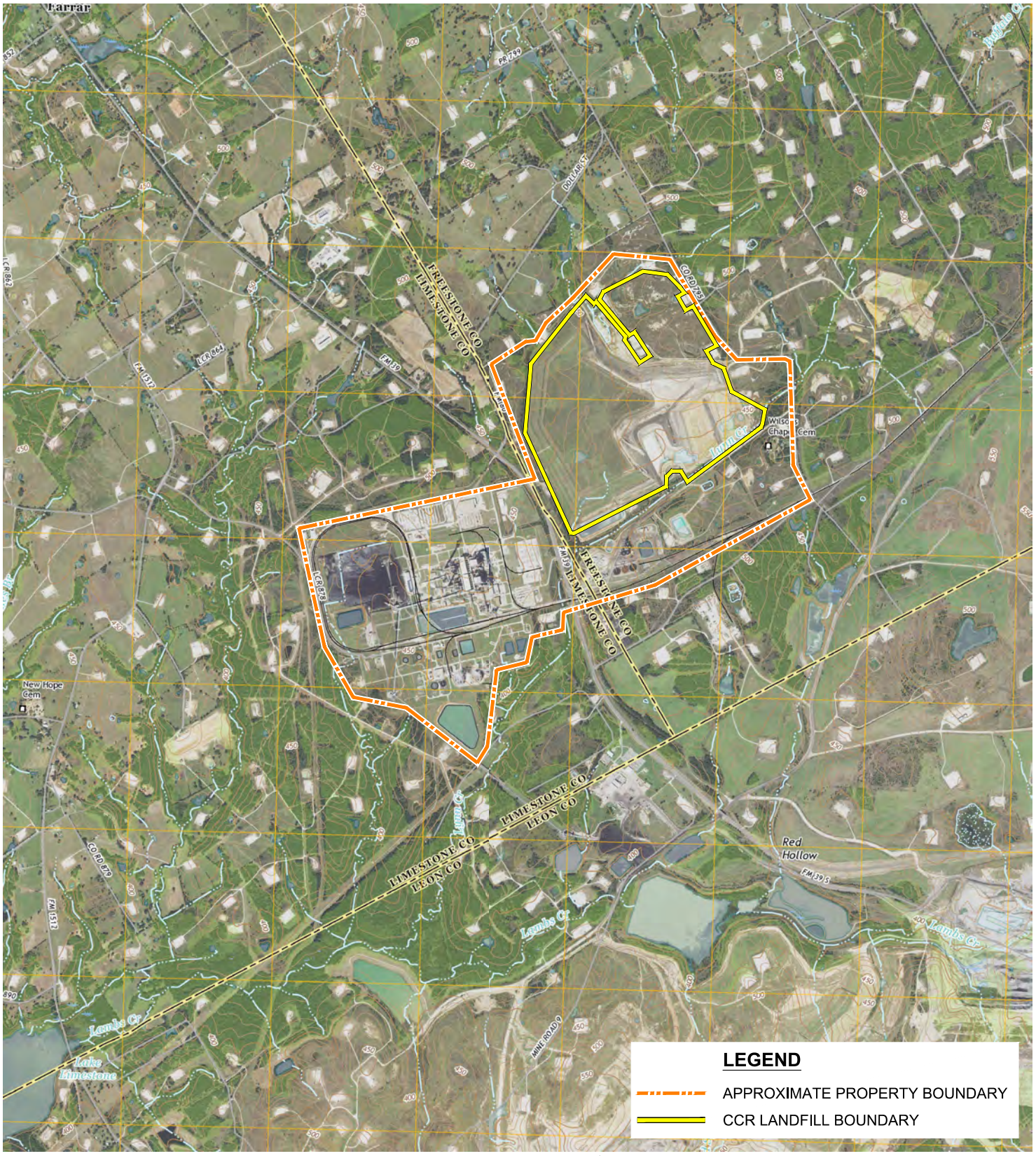
TRC, 2024 Annual Groundwater Monitoring and Corrective Action Report, January 31, 2025, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

TRC, Alternative Source Demonstration, July 2025, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

TRC, Alternative Source Demonstration, December 2025, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas.

TRC, Statistical Methods Certification, August 2018, Limestone Electric Generating Station, Jewett, Texas.

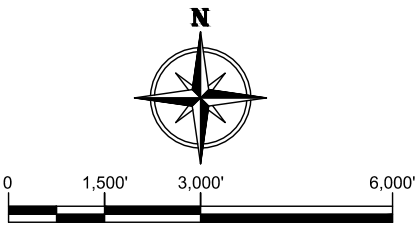
# Figures




REFERENCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLES
**DONIE, TEXAS (2016) & FARRAR, TEXAS (2016)**




**TEXAS**
**QUADRANGLE LOCATION**




SCALE IN FEET
1" = 3,000'-0"

CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Generating Station**
**F.M. 39 Road, Jewett, Texas 75838**

TITLE

## SITE LOCATION MAP

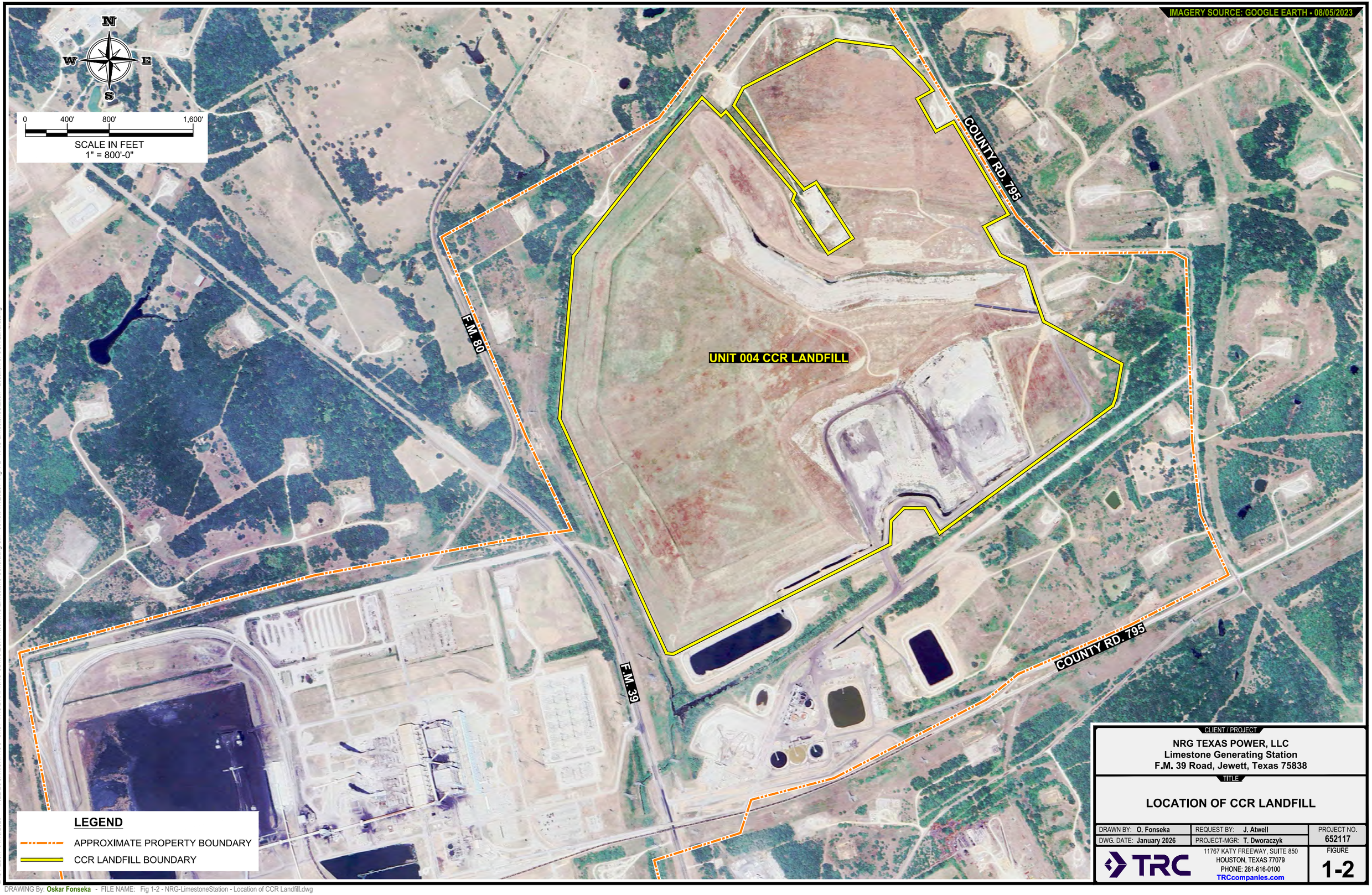
| | | |
|---|---|---|
| DRAWN BY: **O. Fonseka** | REQUEST BY: **J. Atwell** | PROJECT NO. **652117** |
| DWG. DATE: **January 2026** | PROJECT-MGR: **T. Dworaczyk** | |


TRC
11767 KATY FREEWAY, SUITE 850
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com


FIGURE **1-1**


LAST EDIT: 01/18/2026 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025\ Fig 1-1 - NRG-LimestoneStation - Site Location Map.dwg

DRAWING By: **Oskar Fonseka** - FILE NAME: Fig 1-1 - NRG-LimestoneStation - Site Location Map.dwg




CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Generating Station**
**F.M. 39 Road, Jewett, Texas 75838**

TITLE

## LOCATION OF CCR LANDFILL

| | | |
|---|---|---|
| DRAWN BY: **O. Fonseka** | REQUEST BY: **J. Atwell** | PROJECT NO. **652117** |
| DWG. DATE: **January 2026** | PROJECT-MGR: **T. Dworaczyk** | FIGURE **1-2** |

TRC
11767 KATY FREEWAY, SUITE 850
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

LAST EDIT: 01/18/2026 - FILE LOCATION: HOU C:\OF-TRO\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025 Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg
DRAWING By: **Oskar Fonseka** - FILE NAME: Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg




## LEGEND

- Landfill Background CCR Locations
- Landfill CCR Monitor Well
- *447.24* Groundwater Elevation (FT MSL)
- Groundwater Flow Direction
- Groundwater Elevation Contour - Dashed where Inferred (FT MSL)
- CCR Landfill Boundary

STATE OF TEXAS
ANTHONY DWORACZYK
GEOLOGY
2658
LICENSED
PROFESSIONAL GEOSCIENTIST

AD 12/22/25

NOTE:
GROUNDWATER ELEVATIONS MEASURED BY HMI ON MARCH 2025.

0 690 1,380 FT

1 " = 700 '
1:8,400

N

PROJECT:
**NRG TEXAS POWER, LLC**
**LIMESTONE**
**JEWETT, TEXAS**

TITLE:
# GROUNDWATER POTENTIOMETRIC SURFACE - MARCH 2025

| | | | |
|---|---|---|---|
| DRAWN BY: | F. Yarbrough | PROJ. NO.: | 652117.0000.0000 |
| CHECKED BY: | A. Heikkila | | |
| APPROVED BY: | A. Dworaczyk | | **FIGURE 2-2** |
| DATE: | August 2025 | | |

TRC
11767 Katy Freeway
Suite 850
Houston, TX, 77079
Phone 281.616.0100
www.trccompanies.com

FILE NO.: 652117_2-2.mxd




## LEGEND

- Landfill Background CCR Locations
- Landfill CCR Monitor Well
- ***449.06*** Groundwater Elevation (FT MSL)
- Groundwater Flow Direction
- Groundwater Elevation Contour - Dashed where Inferred (FT MSL)
- CCR Landfill Boundary

STATE OF TEXAS
ANTHONY DWORACZYK
GEOLOGY
2658
LICENSED
PROFESSIONAL GEOSCIENTIST

AD 12/2/26

NOTE:
GROUNDWATER ELEVATIONS MEASURED BY HMI ON AUGUST 2025; AND
MW-16 AND MW-27R NOT USED FOR CONTOURS.

0 690 1,380
FT

1 " = 700 '
1:8,400

N

PROJECT:
**NRG TEXAS POWER, LLC**
**LIMESTONE**
**JEWETT, TEXAS**

TITLE:
# GROUNDWATER POTENTIOMETRIC SURFACE - AUGUST 2025

| | | | |
|---|---|---|---|
| DRAWN BY: | F. Yarbrough | PROJ. NO.: | 652117.0000.0000 |
| CHECKED BY: | J. Atwell | | |
| APPROVED BY: | A. Dworaczyk | | **FIGURE 2-3** |
| DATE: | Decembert 2025 | | |


TRC
11767 Katy Freeway
Suite 850
Houston, TX, 77079
Phone 281.616.0100
www.trccompanies.com


FILE NO.: 652117_2-2.mxd

# Tables

**Table 2-1**
**Summary of Groundwater Elevation Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Well Description | Monitor Well ID | Measurement Date | Top of Casing (ft. MSL) | Depth to Water (ft.) | Ground Water Elevation (ft. MSL) |
|---|---|---|---|---|---|
| **Landfill** | | | | | |
| Crossgradient | MW-06 | 4/4/2023 | 457.62 | 18.54 | 439.08 |
| | | 10/10/2023 | 457.62 | 19.61 | 438.01 |
| | | 3/7/2024 | 457.62 | 18.47 | 439.15 |
| | | 9/12/2024 | 457.62 | 18.96 | 438.66 |
| | | 3/20/2025 | 457.62 | 18.46 | 439.16 |
| | | 5/8/2025 | 457.62 | 18.05 | 439.57 |
| | | 8/13/2025 | 457.62 | 19.34 | 438.28 |
| | | 11/17/2025 | 457.62 | 20.06 | 437.56 |
| | MW-09 | 4/4/2023 | 452.03 | 18.49 | 433.54 |
| | | 10/10/2023 | 452.03 | 20.22 | 431.81 |
| | | 3/7/2024 | 452.03 | 16.11 | 435.92 |
| | | 9/12/2024 | 452.03 | 18.45 | 433.58 |
| | | 3/20/2025 | 452.03 | 17.79 | 434.24 |
| | | 5/8/2025 | 452.03 | 17.50 | 434.53 |
| | | 8/13/2025 | 452.03 | 18.45 | 433.58 |
| | | 11/17/2025 | 452.03 | 19.21 | 432.82 |
| | MW-51 | 5/8/2025 | 457.84 | 24.71 | 433.13 |
| | | 8/13/2025 | 457.84 | 23.92 | 433.92 |
| | | 11/17/2025 | 457.84 | 24.70 | 433.14 |
| | MW-52 | 5/8/2025 | 469.85 | 28.52 | 441.33 |
| | | 8/13/2025 | 469.85 | 27.74 | 442.11 |
| | | 11/17/2025 | 469.85 | 28.76 | 441.09 |
| | MW-53 | 5/8/2025 | 456.50 | 13.00 | 443.50 |
| | | 8/13/2025 | 456.50 | 15.12 | 441.38 |
| | | 9/4/2025 | 456.50 | 14.32 | 442.18 |
| | | 11/17/2025 | 456.50 | 15.13 | 441.37 |
| Downgradient | MW-01 | 4/4/2023 | 420.84 | 2.19 | 418.65 |
| | | 5/1/2023 | 420.84 | 2.15 | 418.69 |
| | | 10/10/2023 | 420.84 | 2.67 | 418.17 |
| | | 3/7/2024 | 420.84 | 2.27 | 418.57 |
| | | 9/12/2024 | 420.84 | 2.36 | 418.48 |
| | | 3/20/2025 | 420.84 | 2.96 | 417.88 |
| | | 4/24/2025 | 420.84 | 2.72 | 418.12 |
| | | 8/13/2025 | 420.84 | 2.63 | 418.21 |
| | MW-02 | 4/4/2023 | 430.01 | 5.25 | 424.76 |
| | | 10/10/2023 | 430.01 | 6.18 | 423.83 |
| | | 3/7/2024 | 430.01 | 5.19 | 424.82 |
| | | 3/28/2024 | 430.01 | 5.77 | 424.24 |
| | | 9/12/2024 | 430.01 | 4.50 | 425.51 |
| | | 3/20/2025 | 430.01 | 4.62 | 425.39 |
| | | 4/24/2025 | 430.01 | 4.46 | 425.55 |
| | | 8/13/2025 | 430.01 | 4.61 | 425.40 |

**Table 2-1**
**Summary of Groundwater Elevation Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Well Description | Monitor Well ID | Measurement Date | Top of Casing (ft. MSL) | Depth to Water (ft.) | Ground Water Elevation (ft. MSL) |
|---|---|---|---|---|---|
| **Landfill** | | | | | |
| Downgradient | MW-17 | 4/4/2023 | 421.22 | 2.53 | 418.69 |
| | | 10/10/2023 | 421.22 | 3.10 | 418.12 |
| | | 3/7/2024 | 421.22 | 2.36 | 418.86 |
| | | 3/28/2024 | 421.22 | 2.54 | 418.68 |
| | | 9/12/2024 | 421.22 | 2.86 | 418.36 |
| | | 3/20/2025 | 421.22 | 3.04 | 418.18 |
| | | 8/13/2025 | 421.22 | 3.22 | 418.00 |
| | MW-18 | 4/4/2023 | 436.30 | 10.77 | 425.53 |
| | | 10/10/2023 | 436.30 | 11.81 | 424.49 |
| | | 3/7/2024 | 436.30 | 10.73 | 425.57 |
| | | 3/28/2024 | 436.30 | 11.15 | 425.15 |
| | | 9/12/2024 | 436.30 | 9.85 | 426.45 |
| | | 3/20/2025 | 436.30 | 9.75 | 426.55 |
| | | 8/13/2025 | 436.30 | 9.77 | 426.53 |
| | MW-19 | 4/4/2023 | 443.79 | 18.38 | 425.41 |
| | | 10/10/2023 | 443.79 | 19.45 | 424.34 |
| | | 3/7/2024 | 443.79 | 18.53 | 425.26 |
| | | 3/28/2024 | 443.79 | 18.95 | 424.84 |
| | | 9/12/2024 | 443.79 | 17.42 | 426.37 |
| | | 3/20/2025 | 443.79 | 17.32 | 426.47 |
| | | 8/13/2025 | 443.79 | 17.15 | 426.64 |
| | MW-20 | 4/4/2023 | 445.11 | 19.43 | 425.68 |
| | | 10/10/2023 | 445.11 | 20.48 | 424.63 |
| | | 3/7/2024 | 445.11 | 19.80 | 425.31 |
| | | 9/12/2024 | 445.11 | 18.14 | 426.97 |
| | | 3/20/2025 | 445.11 | 18.38 | 426.73 |
| | | 8/13/2025 | 445.11 | 17.91 | 427.20 |
| | MW-21 | 4/4/2023 | 446.35 | 16.78 | 429.57 |
| | | 5/1/2023 | 446.35 | 16.75 | 429.60 |
| | | 10/10/2023 | 446.35 | 20.00 | 426.35 |
| | | 3/7/2024 | 446.35 | 19.28 | 427.07 |
| | | 3/28/2024 | 446.35 | 17.41 | 428.94 |
| | | 9/12/2024 | 446.35 | 17.01 | 429.34 |
| | | 10/24/2024 | 446.35 | 17.96 | 428.39 |
| | | 3/20/2025 | 446.35 | 15.51 | 430.84 |
| | | 4/24/2025 | 446.35 | 14.89 | 431.46 |
| | | 8/13/2025 | 446.35 | 15.92 | 430.43 |
| | | 9/4/2025 | 446.35 | 16.30 | 430.05 |

**Table 2-1**
**Summary of Groundwater Elevation Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Well Description | Monitor Well ID | Measurement Date | Top of Casing (ft. MSL) | Depth to Water (ft.) | Ground Water Elevation (ft. MSL) |
|---|---|---|---|---|---|
| **Landfill** | | | | | |
| Downgradient | MW-22 | 4/4/2023 | 447.59 | 16.40 | 431.19 |
| | | 10/10/2023 | 447.59 | 19.39 | 428.20 |
| | | 3/7/2024 | 447.59 | 18.73 | 428.86 |
| | | 9/12/2024 | 447.59 | 16.04 | 431.55 |
| | | 3/20/2025 | 447.59 | 15.13 | 432.46 |
| | | 8/13/2025 | 447.59 | 14.99 | 432.60 |
| | MW-47 | 3/7/2024 | 432.85 | 10.17 | 422.68 |
| | | 3/28/2024 | 432.85 | 10.08 | 422.77 |
| | | 6/3/2024 | 432.85 | 9.62 | 423.23 |
| | | 9/12/2024 | 432.85 | 10.58 | 422.27 |
| | | 12/5/2024 | 432.85 | 11.22 | 421.63 |
| | | 3/20/2025 | 432.85 | 11.14 | 421.71 |
| | | 4/24/2025 | 432.85 | 10.80 | 422.05 |
| | | 5/8/2025 | 432.85 | 10.68 | 422.17 |
| | | 8/13/2025 | 432.85 | 10.85 | 422.00 |
| | | 9/4/2025 | 432.85 | 10.83 | 422.02 |
| | | 11/17/2025 | 432.85 | 11.02 | 421.83 |
| | MW-48 | 3/7/2024 | 435.99 | 13.16 | 422.83 |
| | | 6/3/2024 | 435.99 | 11.90 | 424.09 |
| | | 9/12/2024 | 435.99 | 12.79 | 423.20 |
| | | 12/5/2024 | 435.99 | 13.51 | 422.48 |
| | | 3/20/2025 | 435.99 | 13.31 | 422.68 |
| | | 5/8/2025 | 435.99 | 12.78 | 423.21 |
| | | 8/13/2025 | 435.99 | 13.03 | 422.96 |
| | | 11/17/2025 | 435.99 | 13.31 | 422.68 |
| | MW-49 | 3/7/2024 | 439.52 | 16.84 | 422.68 |
| | | 6/3/2024 | 439.52 | 15.51 | 424.01 |
| | | 9/12/2024 | 439.52 | 16.69 | 422.83 |
| | | 12/5/2024 | 439.52 | 17.12 | 422.40 |
| | | 3/20/2025 | 439.52 | 16.84 | 422.68 |
| | | 5/8/2025 | 439.52 | 16.40 | 423.12 |
| | | 8/13/2025 | 439.52 | 16.92 | 422.60 |
| | | 11/17/2025 | 439.52 | 17.20 | 422.32 |
| | MW-50 | 3/7/2024 | 432.84 | 7.31 | 425.53 |
| | | 3/28/2024 | 432.84 | 7.40 | 425.44 |
| | | 6/3/2024 | 432.84 | 4.39 | 428.45 |
| | | 9/12/2024 | 432.84 | 7.02 | 425.82 |
| | | 12/5/2024 | 432.84 | 7.21 | 425.63 |
| | | 3/20/2025 | 432.84 | 6.57 | 426.27 |
| | | 4/24/2025 | 432.84 | 6.52 | 426.32 |
| | | 5/8/2025 | 432.84 | 5.36 | 427.48 |
| | | 8/13/2025 | 432.84 | 6.94 | 425.90 |
| | | 9/4/2025 | 432.84 | 6.86 | 425.98 |
| | | 11/17/2025 | 432.84 | 7.33 | 425.51 |

**Table 2-1**
**Summary of Groundwater Elevation Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Well Description | Monitor Well ID | Measurement Date | Top of Casing (ft. MSL) | Depth to Water (ft.) | Ground Water Elevation (ft. MSL) |
|---|---|---|---|---|---|
| **Landfill** | | | | | |
| Upgradient | MW-16 | 4/4/2023 | 465.29 | 17.39 | 447.90 |
| | | 10/10/2023 | 465.29 | 18.52 | 446.77 |
| | | 3/7/2024 | 465.29 | 17.46 | 447.83 |
| | | 9/12/2024 | 465.29 | 17.54 | 447.75 |
| | | 3/20/2025 | 465.29 | 17.25 | 448.04 |
| | | 5/8/2025 | 465.29 | 16.94 | 448.35 |
| | | 8/13/2025 | 465.29 | 17.53 | 447.76 |
| | | 9/4/2025 | 465.29 | 17.64 | 447.65 |
| | | 11/17/2025 | 465.29 | 18.14 | 447.15 |
| | MW-27R | 4/4/2023 | 457.89 | 18.44 | 439.45 |
| | | 10/10/2023 | 457.89 | 19.51 | 438.38 |
| | | 3/7/2024 | 457.89 | 18.62 | 439.27 |
| | | 9/12/2024 | 457.89 | 17.70 | 440.19 |
| | | 3/20/2025 | 457.89 | 18.03 | 439.86 |
| | | 8/13/2025 | 457.89 | 17.84 | 440.05 |
| | MW-28 | 4/4/2023 | 477.52 | 30.43 | 447.09 |
| | | 5/1/2023 | 477.52 | 30.72 | 446.80 |
| | | 10/10/2023 | 477.52 | 30.44 | 447.08 |
| | | 3/7/2024 | 477.52 | 30.35 | 447.17 |
| | | 9/12/2024 | 477.52 | 29.88 | 447.64 |
| | | 3/20/2025 | 477.52 | 30.28 | 447.24 |
| | | 4/24/2025 | 477.52 | 29.87 | 447.65 |
| | | 8/13/2025 | 477.52 | 28.46 | 449.06 |
| | | 9/4/2025 | 477.52 | 28.35 | 449.17 |

**Notes**

| | |
|---|---|
| MSL | Mean Sea Level |
| ft. | feet |
| NM | Not measured |

**Table 2-2**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App III | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Boron | Calcium | Chloride | Fluoride | Sulfate | Total Dissolved Solids | pH, Field |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | su |
| Lab Method | | | | SW6020A | | E300 | A4500-F C-11 | E300 | M2540C | NA |
| Well Description | Well ID | Sample Date | Duplicate | | | | | | | |
| Landfill | | | | | | | | | | |
| Upgradient | MW-16 | 05/08/2025 | N | 0.0426 | 2.71 | 4.11 | 0.800 | 10.5 | 234 | 6.36 |
| | | 08/13/2025 | N | 0.0371 J[U] | 2.51 | 4.65 | 0.680 | 11.8 | 248 | 6.79 |
| | | 09/04/2025 | N | n/a | n/a | n/a | 0.760 | n/a | n/a | 6.49 |
| | | 11/17/2025 | N | 0.0447 J | 2.77 | 4.12 | 0.850 | 9.28 | 210 | 6.45 |
| | MW-27R | 04/04/2023 | N | 0.157 | 482 | 2230 | < 0.100 U | 583 | 5800 | 6.37 |
| | | 10/10/2023 | N | 0.132 | 430 | 1770 | < 0.100 U | 638 | 3640 | 6.33 |
| | | 03/07/2024 | N | 0.159 | 471 | 1850 | < 0.100 U | 669 | 4920 | 6.38 |
| | | 09/12/2024 | N | 0.138 | 418 | 1970 | < 0.100 U | 609 | 3780 | 6.32 |
| | | 03/20/2025 | N | 0.138 | 571 | 2160 | < 0.100 U | 809 | 5400 | 6.39 |
| | | 08/13/2025 | N | 0.147 | 537 | 1880 | < 0.100 U | 746 | 6060 | 6.20 |
| | MW-28 | 04/04/2023 | N | 0.217 | 562 | 2200 | < 0.100 U | 1080 | 6860 | 5.35 |
| | | 05/01/2023 | N | n/a | n/a | n/a | n/a | 959 | n/a | 5.10 |
| | | 10/10/2023 | N | 0.193 | 540 | 2290 | 0.240 | 748 | 5690 | 5.34 |
| | | 03/07/2024 | N | 0.193 | 586 | 2580 | 0.230 | 841 | 3550 | 5.15 |
| | | 09/12/2024 | N | 0.194 | 633 | 2600 | 0.120 | 716 | 5060 | 5.07 |
| | | 03/20/2025 | N | 0.217 | 633 | 2670 | 0.270 | 940 | 9120 | 5.30 |
| | | 04/24/2025 | N | n/a | n/a | n/a | 0.360 | 897 | 6960 | 5.12 |
| | | 08/13/2025 | N | 0.0415 J[U] | 2.78 | 4.70 | 0.710 | 12.0 | 240 | 5.19 |
| | | 09/04/2025 | N | n/a | n/a | n/a | 0.330 | n/a | n/a | 5.28 |
| Downgradient | MW-01 | 04/04/2023 | N | 0.0356 [J] | 48.6 | 289 | < 0.100 U | < 0.200 | 816 | 4.04 |
| | | 05/01/2023 | N | n/a | n/a | n/a | n/a | n/a | n/a | 3.75 |
| | | 10/10/2023 | N | 0.0382 | 54.4 | 273 | 0.0600 J | < 0.200 | 682 | 3.90 |
| | | 03/07/2024 | N | 0.0348 | 53.7 | 284 | < 0.100 U | 0.214 J | 778 | 4.36 |
| | | 09/12/2024 | N | 0.0346 | 63.8 | 291 | < 0.100 U | < 0.200 | 818 | 4.06 |
| | | 03/20/2025 | N | 0.0345 [U] | 52.5 | 296 | 0.0800 J | 0.402 J[U] | 744 | 3.80 |
| | | 04/24/2025 | N | n/a | n/a | n/a | n/a | n/a | n/a | 3.65 |
| | | 08/13/2025 | N | 0.0354 J[U] | 61.8 | 292 | 0.0700 J | 0.721 | 1230 | 4.19 |
| | MW-02 | 04/04/2023 | N | 0.425 | 178 | 301 [JL] | < 0.100 U | 664 | 1420 | 5.53 |
| | | 10/10/2023 | N | < 0.220 | 147 | 310 | < 0.100 U | 527 [JL] | 1380 | 5.40 |
| | | 03/07/2024 | N | 1.53 | 228 | 233 | < 0.100 U | 1080 | 1960 | 5.40 |
| | | 03/28/2024 | N | 1.24 | n/a | n/a | n/a | 1010 | n/a | 5.27 |
| | | 09/12/2024 | N | 0.429 | 177 | 273 | < 0.100 U | 654 | 1450 | 5.54 |
| | | 03/20/2025 | N | 0.809 | 184 | 258 | < 0.100 U | 873 | 1310 | 5.27 |
| | | 04/24/2025 | N | 0.776 | 182 | n/a | n/a | n/a | n/a | 5.41 |
| | | 08/13/2025 | N | 0.340 | 186 | 280 | 0.0600 J | 749 | 1580 | 5.17 |

**Table 2-2**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App III | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Boron | Calcium | Chloride | Fluoride | Sulfate | Total Dissolved Solids | pH, Field |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | su |
| Lab Method | | | | SW6020A | | E300 | A4500-F C-11 | E300 | M2540C | NA |
| Well Description | Well ID | Sample Date | Duplicate | | | | | | | |
| Landfill | | | | | | | | | | |
| Downgradient | MW-17 | 04/04/2023 | N | 0.0249 [J] | 2.38 | 8.60 | 0.120 | 7.79 | 122 [J] | 5.81 |
| | | 10/10/2023 | N | 0.0207 | 3.55 | 8.58 | 0.150 | 7.67 | 100.0 [J] | 5.69 |
| | | 03/07/2024 | N | 0.0275 | 2.95 | 8.74 | 0.150 | 8.22 | 818 | 6.35 |
| | | 03/28/2024 | N | n/a | n/a | n/a | n/a | n/a | 84.0 | 5.62 |
| | | 09/12/2024 | N | 0.0257 | 3.15 | 8.87 | < 0.100 U | 7.56 | 126 | 5.97 |
| | | 03/20/2025 | N | 0.0262 [U] | 2.83 | 8.76 | 0.180 | 7.36 | 246 | 5.77 |
| | | 08/13/2025 | N | 0.0248 J[U] | 3.04 | 8.57 | 0.120 | 7.29 | 162 | 6.72 |
| | MW-18 | 04/04/2023 | N | 0.0443 | 67.1 | 9.64 | 0.110 | 34.3 | 342 | 6.32 |
| | | 10/10/2023 | N | 0.0349 | 65.4 | 8.31 | 0.120 | 31.1 | 326 | 5.94 |
| | | 03/07/2024 | N | 0.0430 | 65.8 | 11.2 | 0.130 | 38.0 | 1900 | 6.44 |
| | | 03/28/2024 | N | n/a | n/a | n/a | n/a | n/a | 352 | 6.37 |
| | | 09/12/2024 | N | 0.0386 | 68.4 | 10.0 | < 0.100 U | 30.6 | 314 | 6.25 |
| | | 03/20/2025 | N | 0.0396 [U] | 65.4 | 10.8 | 0.130 | 30.7 | 346 | 5.95 |
| | | 08/13/2025 | N | 0.0363 J[U] | 70.2 | 10.6 | 0.0900 J | 28.2 | 384 | 5.92 |
| | MW-19 | 04/04/2023 | FD | 0.0468 | 35.2 | 37.2 | < 0.100 U | 99.2 | 292 | n/a |
| | | 04/04/2023 | N | 0.0467 | 34.6 | 37.5 | < 0.100 U | 99.6 | 308 | 5.74 |
| | | 10/10/2023 | FD | 0.0166 J[J] | 34.0 | 36.8 | < 0.100 U | 96.7 | 292 | n/a |
| | | 10/10/2023 | N | 0.0335 [J] | 31.4 | 36.9 | 0.0600 J | 96.7 | 308 | 5.64 |
| | | 03/07/2024 | N | 0.0418 | 35.7 | 37.6 | < 0.100 U | 104 | 358 J | 5.55 |
| | | 03/07/2024 | FD | 0.0427 | 36.3 | 38.1 | < 0.100 U | 106 | 2730 J | n/a |
| | | 03/28/2024 | N | n/a | n/a | n/a | n/a | n/a | 264 | 5.70 |
| | | 03/28/2024 | FD | n/a | n/a | n/a | n/a | n/a | 270 | n/a |
| | | 09/12/2024 | N | 0.0411 | 37.1 | 39.4 | < 0.100 U | 93.1 | 266 | 5.70 |
| | | 09/12/2024 | FD | 0.0392 | 34.7 | 39.4 | < 0.100 U | 93.1 | 298 | n/a |
| | | 03/20/2025 | N | 0.0419 [U] | 32.4 | 38.5 | 0.0600 J | 97.5 | 352 | 5.64 |
| | | 03/20/2025 | FD | 0.0425 [U] | 33.2 | 38.6 | < 0.100 U | 99.0 | 392 | n/a |
| | | 08/13/2025 | N | 0.0374 J[U] | 32.8 | 40.3 | < 0.100 U | 89.3 | 334 | 5.83 |
| | MW-20 | 04/04/2023 | N | 0.0461 | 30.8 | 18.2 | < 0.100 U | 24.0 | 308 | 6.29 |
| | | 10/10/2023 | N | 0.0241 | 28.6 | 17.4 | 0.220 | 26.8 | 280 | 6.17 |
| | | 03/07/2024 | N | 0.0415 | 30.4 | 16.9 | 0.220 | 34.1 | 330 | 6.12 |
| | | 09/12/2024 | N | 0.0403 | 30.0 | 16.4 | 0.110 | 31.7 | 292 | 6.37 |
| | | 03/20/2025 | N | 0.0414 [U] | 27.9 | 16.8 | 0.260 | 27.2 | 320 | 6.18 |
| | | 08/13/2025 | N | 0.0359 J[U] | 28.5 | 15.5 | 0.210 | 31.1 | 330 | 6.42 |

**Table 2-2**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App III | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Boron | Calcium | Chloride | Fluoride | Sulfate | Total Dissolved Solids | pH, Field |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | su |
| Lab Method | | | | SW6020A | | E300 | A4500-F C-11 | E300 | M2540C | NA |
| Well Description | Well ID | Sample Date | Duplicate | | | | | | | |
| Landfill | | | | | | | | | | |
| Downgradient | MW-21 | 04/04/2023 | N | 1.06 [J] | 62.3 | 17.4 | < 0.100 U | 292 | 496 | 5.43 |
| | | 05/01/2023 | N | 0.734 | n/a | n/a | n/a | n/a | n/a | 5.33 |
| | | 10/10/2023 | N | 0.652 | 55.6 | 14.6 | < 0.100 U | 254 | 402 | 5.33 |
| | | 03/07/2024 | N | 0.740 | 56.5 | 12.7 | < 0.100 U | 258 | 460 | 5.44 |
| | | 03/28/2024 | N | 0.724 | n/a | n/a | n/a | n/a | n/a | 5.36 |
| | | 09/12/2024 | N | 0.669 | 50.3 | 11.9 | < 0.100 U | 204 | 386 | 5.51 |
| | | 10/24/2024 | N | 0.656 | 48.3 | n/a | n/a | n/a | n/a | 5.55 |
| | | 03/20/2025 | N | 0.669 | 44.3 | 10.8 | < 0.100 U | 225 | 342 | 5.31 |
| | | 04/24/2025 | N | 0.823 | 41.4 | n/a | n/a | n/a | n/a | 5.43 |
| | | 08/13/2025 | N | 0.623 | 44.4 | 10.1 | < 0.100 U | 202 | 418 | 5.55 |
| | | 09/04/2025 | N | 0.596 | n/a | n/a | n/a | n/a | n/a | 5.35 |
| | MW-22 | 04/04/2023 | N | 0.0403 | 59.1 | 33.2 | < 0.100 U | 135 | 338 | 5.69 |
| | | 10/10/2023 | N | 0.0178 J | 50.0 | 33.3 | 0.0600 J | 131 | 332 | 5.35 |
| | | 03/07/2024 | N | 0.0434 | 56.9 | 33.8 | < 0.100 U | 144 | 370 | 5.56 |
| | | 09/12/2024 | N | 0.0360 | 58.7 | 30.4 | < 0.100 U | 143 | 326 | 5.65 |
| | | 03/20/2025 | N | 0.0422 [U] | 58.1 | 29.3 | < 0.100 U | 168 | 352 | 5.51 |
| | | 08/13/2025 | N | 0.0388 J[U] | 62.7 | 29.7 | < 0.100 U | 167 | 440 | 5.12 |
| | MW-47 | 03/07/2024 | N | 0.0221 | 39.0 | 124 | 0.350 | 39.3 | 810 | 6.60 |
| | | 03/28/2024 | N | n/a | n/a | n/a | 0.170 | n/a | n/a | 6.53 |
| | | 06/03/2024 | FD | 0.0221 | 43.1 | 120 | 0.200 | 39.3 | 782 | n/a |
| | | 06/03/2024 | N | 0.0221 | 42.6 | 123 | 0.210 | 38.9 | 700 | 6.80 |
| | | 09/12/2024 | N | 0.0196 J | 43.3 | 135 | 0.180 | 35.6 | 712 | 6.69 |
| | | 12/05/2024 | N | 0.0200 | 42.0 | 157 | 0.370 | 48.6 | 656 | 6.71 |
| | | 03/20/2025 | N | 0.0204 [U] | 36.8 | 144 | 0.360 | 35.1 | 828 | 6.64 |
| | | 04/24/2025 | N | n/a | n/a | n/a | 0.390 | n/a | n/a | 6.73 |
| | | 05/08/2025 | N | 0.0235 | 43.5 | 141 | 0.420 | 36.0 | 888 | 6.65 |
| | | 08/13/2025 | N | 0.0220 J[U] | 44.0 | 137 | 0.290 | 31.6 | 844 | 6.69 |
| | | 09/04/2025 | N | n/a | n/a | n/a | 0.390 | n/a | n/a | 6.61 |
| | | 11/17/2025 | FD | 0.0281 J | 41.9 | 151 | 0.490 | 33.4 | 784 | n/a |
| | | 11/17/2025 | N | 0.0216 J | 44.9 | 151 | 0.510 | 33.2 | 722 | 6.51 |

**Table 2-2**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App III | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Boron | Calcium | Chloride | Fluoride | Sulfate | Total Dissolved Solids | pH, Field |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | su |
| Lab Method | | | | SW6020A | | E300 | A4500-F C-11 | E300 | M2540C | NA |
| Well Description | Well ID | Sample Date | Duplicate | | | | | | | |
| Landfill | | | | | | | | | | |
| Downgradient | MW-48 | 03/07/2024 | N | 0.0206 | 107 | 301 | 0.170 | 665 | 1390 | 6.59 |
| | | 06/03/2024 | N | 0.0217 | 114 | 320 | 0.110 | 711 JL | 1670 | 6.54 |
| | | 09/12/2024 | N | 0.0166 J | 46.0 | 148 | 0.150 | 205 | 760 | 6.51 |
| | | 12/05/2024 | FD | 0.0218 | 14.5 | 61.2 | 0.430 | 83.7 | 404 | n/a |
| | | 12/05/2024 | N | 0.0209 | 14.9 | 61.1 | 0.460 | 82.6 | 332 | 6.74 |
| | | 03/20/2025 | N | 0.0191 J[U] | 95.9 | 307 | 0.200 | 648 | 1620 | 6.56 |
| | | 05/08/2025 | N | 0.0191 J | 93.3 | 307 | 0.230 | 597 | 1540 | 6.50 |
| | | 08/13/2025 | N | 0.0150 J[U] | 62.5 | 209 | 0.200 | 288 | 1000 | 6.45 |
| | | 11/17/2025 | N | 0.0229 J | 14.8 | 60.7 | 0.530 | 65.5 | 426 | 6.84 |
| | MW-49 | 03/07/2024 | N | 0.0495 | 120 | 315 | < 0.100 U | 37.6 | 1190 | 6.26 |
| | | 06/03/2024 | N | 0.0499 | 126 | 300 | < 0.100 U | 31.9 | 992 | 6.22 |
| | | 09/12/2024 | N | 0.0499 | 127 | 296 | < 0.100 U | 58.6 | 904 | 5.95 |
| | | 12/05/2024 | N | 0.0459 | 94.4 | 255 | 0.0900 J | 91.7 | 756 | 6.15 |
| | | 03/20/2025 | N | 0.0514 [U] | 116 | 290 | < 0.100 U | 85.1 | 1160 | 6.00 |
| | | 05/08/2025 | FD | 0.0415 | 53.2 | 343 | 0.180 | 38.2 | 784 | n/a |
| | | 05/08/2025 | N | 0.0490 | 119 | 287 | 0.0700 J | 76.9 | 1280 | 6.07 |
| | | 08/13/2025 | N | 0.0555 [U] | 128 | 241 | 0.0700 J | 91.4 | 1250 | 6.12 |
| | | 11/17/2025 | N | 0.0449 J | 89.6 | 200 | 0.130 [U] | 68.8 | 898 | 6.10 |
| | MW-50 | 03/07/2024 | N | 0.659 | 279 | 95.5 | < 0.100 U | 1490 | 2000 | 5.53 |
| | | 03/28/2024 | N | 0.691 | n/a | n/a | n/a | n/a | n/a | 5.30 |
| | | 06/03/2024 | N | 0.855 | 342 | 91.5 | < 0.100 U | 1300 | 1700 | 5.65 |
| | | 09/12/2024 | N | 0.710 | 258 | 92.6 | < 0.100 U | 1210 | 1870 | 5.50 |
| | | 12/05/2024 | N | 0.723 | 282 | 101 | 0.0700 J | 1680 | 1800 | 5.57 |
| | | 03/20/2025 | N | 0.746 | 338 | 122 | < 0.100 U | 1560 | 2300 | 5.64 |
| | | 04/24/2025 | N | 0.913 | 279 | n/a | n/a | 1510 | n/a | 5.48 |
| | | 05/08/2025 | N | 0.816 | 324 | 125 | < 0.100 U | 1460 | 2040 | 5.37 |
| | | 08/13/2025 | N | 0.797 | 306 | 116 | < 0.100 U | 1480 | 2490 | 5.20 |
| | | 09/04/2025 | N | 0.840 | n/a | n/a | n/a | 1570 | n/a | 5.17 |
| | | 11/17/2025 | N | 0.656 | 357 | 109 | 0.0900 J[U] | 1430 | 2380 | 5.42 |
| Crossgradient | MW-06 | 05/08/2025 | N | 0.0639 | 39.7 | 65.5 | 0.220 | 19.6 | 474 | 6.45 |
| | | 08/13/2025 | N | 0.0613 [U] | 40.6 | 68.6 | 0.160 | 25.7 | 400 | 6.68 |
| | | 11/17/2025 | N | 0.0743 | 45.3 | 70.8 | 0.310 | 25.0 | 478 | 6.34 |
| | MW-09 | 05/08/2025 | N | 0.0390 | 51.1 | 334 | 0.160 | 39.3 | 984 | 6.26 |
| | | 08/13/2025 | N | 0.0397 J[U] | 45.3 | 179 | 0.120 | 13.3 | 522 | 6.38 |
| | | 11/17/2025 | N | 0.0398 J | 64.3 | 381 | 0.240 | 39.1 | 968 | 6.16 |
| | MW-51 | 05/08/2025 | N | 0.0335 | 235 | 931 | 0.220 | 106 | 2050 | 6.41 |
| | | 08/13/2025 | N | 0.0306 J[U] | 235 | 855 | 0.160 | 117 | 2770 | 6.46 |
| | | 11/17/2025 | N | 0.0260 J | 251 | 769 | 0.330 | 106 | 3380 | 6.38 |

**Table 2-2**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App III | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Boron | Calcium | Chloride | Fluoride | Sulfate | Total Dissolved Solids | pH, Field |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | su |
| Lab Method | | | | SW6020A | | E300 | A4500-F C-11 | E300 | M2540C | NA |
| **Well Description** | **Well ID** | **Sample Date** | **Duplicate** | | | | | | | |
| **Landfill** | | | | | | | | | | |
| Crossgradient | MW-52 | 05/08/2025 | N | 0.183 | 161 | 243 | 0.200 | 417 | 1310 | 6.88 |
| | | 08/13/2025 | FD | 0.173 | 197 | 282 | 0.0900 J | 451 | 1910 | n/a |
| | | 08/13/2025 | N | 0.174 | 199 | 275 | 0.0900 J | 454 | 1580 | 6.98 |
| | | 11/17/2025 | N | 0.173 | 177 | 261 | 0.220 | 459 | 1650 | 6.84 |
| | MW-53 | 05/08/2025 | N | 0.571 | 83.2 | 122 | 0.570 | 301 | 1160 | 6.58 |
| | | 08/13/2025 | N | 0.653 | 111 | 186 | 0.530 | 374 | 1750 | 6.42 |
| | | 09/04/2025 | N | 0.665 | n/a | n/a | 0.570 | n/a | n/a | 6.39 |
| | | 11/17/2025 | N | 0.585 | 97.4 | 179 | 0.610 | 305 | 1300 | 6.19 |

**Notes**

| | |
|---|---|
| N | Normal sample |
| FD | Field Duplicate |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but≥ to the method detection limit. |
| JL | Estimated data - bias in sample, likely to be low.; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements. |
| U | Analyte was not detected at or above the method detection limit. |
| n/a | Not analyzed |
| mg/L | Milligrams per liter |
| su | Standard units |

**Table 2-3**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| | | Analyte Group | NRG App IV | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Lead | Lithium | Molybdenum | Selenium | Thallium | Mercury | Fluoride | Radium-226/228 |
| | | Unit | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | pci/L |
| | | Lab Method | SW6020A | | | | | | | | | | | | SW7470A | A4500-F C-11 | EPA 903.1/904.0 |
| **Well Description** | **Well ID** | **Sample Date** | **Duplicate** | | | | | | | | | | | | | | |
| **Landfill** | | | | | | | | | | | | | | | | | |
| Upgradient | MW-16 | 05/08/2025 | N | < 0.000400 | 0.00218 | 0.0325 | < 0.000200 | < 0.000200 | 0.000666 J | < 0.000530 | < 0.000600 | 0.00360 J | < 0.000600 | < 0.00110 | < 0.000200 | 0.0000730 J | 0.810 | 0.701 U |
| | | 08/13/2025 | N | < 0.000260 | 0.00229 | 0.0361 | < 0.000600 | < 0.000420 | 0.00244 J | < 0.000530 | < 0.000470 | 0.00347 J | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | 0.760 | 0.672 |
| | | 11/17/2025 | N | < 0.000260 | 0.00268 | 0.0347 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.00361 J | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | 0.850 | 2.30 |
| Downgradient | MW-47 | 03/07/2024 | N | < 0.000400 | 0.00427 | 0.124 | < 0.000200 | < 0.000200 | < 0.000400 | 0.00182 J | < 0.000600 | 0.0159 | 0.00139 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.330 | 5.78 |
| | | 06/03/2024 | N | < 0.000400 | 0.00372 | 0.131 | < 0.000200 | < 0.000200 | 0.00113 J | 0.00224 J | < 0.000600 | 0.0145 | 0.00161 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.200 | 3.34 |
| | | 09/12/2024 | N | < 0.000400 | 0.00362 | 0.130 | < 0.000200 | < 0.000200 | 0.000960 J[U] | 0.000826 J | < 0.000600 | 0.0135 | 0.00163 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.210 | 2.90 |
| | | 12/05/2024 | N | < 0.000400 | 0.00343 | 0.125 | < 0.000200 | < 0.000200 | < 0.000400 | 0.000580 J | < 0.000600 | 0.0150 | 0.00158 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.370 | 6.44 |
| | | 03/20/2025 | N | < 0.000400 | 0.00369 | 0.137 | < 0.000200 | < 0.000200 | < 0.000400 | 0.000446 J | < 0.000600 | 0.0152 | 0.00137 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.410 [U] | 0.737 |
| | | 05/08/2025 | N | < 0.000400 | 0.00334 | 0.125 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000530 | < 0.000600 | 0.0133 | 0.00141 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.420 | 1.19 |
| | | 08/13/2025 | N | < 0.000260 | 0.00340 | 0.131 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0142 | 0.00158 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.330 | 0.798 |
| | | 11/17/2025 | FD | < 0.000260 | 0.00423 | 0.136 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0173 | 0.00165 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.570 | 1.20 [J] |
| | | 11/17/2025 | N | < 0.000260 | 0.00436 | 0.130 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0165 | 0.00148 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.500 | 1.94 [J] |
| | MW-48 | 03/07/2024 | N | 0.000742 J | 0.00183 J | 0.112 | < 0.000200 | < 0.000200 | 0.00234 J | 0.000540 J | < 0.000600 | 0.0145 | 0.000691 J | < 0.00110 | < 0.000200 | 0.0000670 J[U] | 0.160 | 3.15 |
| | | 06/03/2024 | N | < 0.000400 | 0.000953 J | 0.0491 | < 0.000200 | < 0.000200 | 0.000522 J[U] | 0.000231 J | < 0.000600 | 0.0133 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | 0.100 | 3.48 |
| | | 09/12/2024 | N | < 0.000400 | 0.00245 | 0.0286 | < 0.000200 | < 0.000200 | 0.000751 J[U] | 0.000562 J | < 0.000600 | 0.00908 | 0.000890 J | 0.00295 | < 0.000513 J[UJ] | < 0.0000300 | 0.190 | 3.59 |
| | | 12/05/2024 | FD | < 0.000400 | 0.00546 | 0.0228 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000200 | < 0.000600 | 0.00815 | 0.00110 J | 0.00353 | < 0.000200 | < 0.0000300 | 0.430 | n/a |
| | | 12/05/2024 | N | < 0.000400 | 0.00561 | 0.0234 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000200 | < 0.000600 | 0.00848 | 0.00111 J | 0.00332 | < 0.000200 | < 0.0000300 | 0.460 | 0.0225 |
| | | 03/20/2025 | N | < 0.000400 | 0.00188 J | 0.109 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000200 | < 0.000600 | 0.0137 | < 0.000600 | 0.00152 J | < 0.000200 | 0.0000390 J | 0.180 [U] | 1.44 |
| | | 05/08/2025 | N | < 0.000400 | 0.00172 J | 0.0799 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000530 | < 0.000600 | 0.0139 | < 0.000600 | 0.00149 J | < 0.000200 | 0.0000500 J | 0.240 | 1.61 |
| | | 08/13/2025 | N | < 0.000260 | 0.00228 | 0.0410 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0107 | 0.000488 J | 0.00299 J | < 0.000700 | < 0.0000300 | 0.190 | 1.03 |
| | | 11/17/2025 | N | < 0.000260 | 0.00596 | 0.0221 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.00895 | 0.000755 J | 0.00448 J | < 0.000700 | < 0.0000300 | 0.520 | 0.267 U |
| | MW-49 | 03/07/2024 | N | < 0.000400 | 0.0176 | 1.33 | < 0.000200 | < 0.000200 | 0.000830 J | 0.0381 | < 0.000600 | 0.00240 J | 0.000674 J | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 2.10 |
| | | 06/03/2024 | N | < 0.000400 | 0.0161 | 1.15 | < 0.000200 | < 0.000200 | 0.000627 J | 0.0364 | < 0.000600 | 0.00164 J | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 4.86 |
| | | 09/12/2024 | N | < 0.000400 | 0.0195 | 1.10 | < 0.000200 | < 0.000200 | 0.000809 J[U] | 0.0403 | < 0.000600 | 0.00211 J | 0.000780 J | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 3.11 |
| | | 12/05/2024 | N | < 0.000400 | 0.0202 | 0.918 | < 0.000200 | < 0.000200 | < 0.000400 | 0.0331 | < 0.000600 | 0.00248 J | 0.000877 J | < 0.00110 | < 0.000200 [UJL] | < 0.0000300 | 0.0900 J | 2.21 |
| | | 03/20/2025 | N | < 0.000400 | 0.0167 | 1.37 | < 0.000200 | < 0.000200 | < 0.000400 | 0.0360 | < 0.000600 | 0.00164 J | 0.000751 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.0600 J | 1.29 |
| | | 05/08/2025 | N | < 0.000400 | 0.0171 | 1.23 | < 0.000200 | < 0.000200 | < 0.000400 | 0.0358 | < 0.000600 | 0.00115 J | 0.000672 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.0700 J | 1.46 |
| | | 08/13/2025 | N | < 0.000260 | 0.0170 | 1.13 | < 0.000600 | < 0.000420 | < 0.00173 | 0.0347 | < 0.000470 | 0.00184 J | 0.000731 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.0700 J | 1.72 |
| | | 11/17/2025 | N | < 0.000260 | 0.0241 | 0.926 | < 0.000600 | < 0.000420 | < 0.00173 | 0.0384 | < 0.000470 | 0.00329 J | 0.000853 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.120 [U] | 1.76 |
| | MW-50 | 03/07/2024 | N | < 0.000400 | 0.000476 J | 0.0195 | < 0.000200 | 0.000310 J | < 0.000400 | 0.00619 | < 0.000600 | 0.0202 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 1.38 |
| | | 06/03/2024 | N | < 0.000400 | < 0.000400 | 0.0172 | < 0.000200 | 0.00758 | 0.000894 J | 0.00520 | < 0.000600 | 0.0215 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 4.26 |
| | | 09/12/2024 | N | < 0.000400 | 0.000769 J | 0.0176 | < 0.000200 | 0.000283 J | 0.000918 J[U] | 0.00467 J | < 0.000600 | 0.0195 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 0.982 |
| | | 12/05/2024 | N | < 0.000400 | 0.000640 J | 0.0175 | < 0.000200 | 0.000986 J | < 0.000400 | 0.00532 | < 0.000600 | 0.0220 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | 0.0700 J | 3.83 |
| | | 03/20/2025 | N | < 0.000400 | 0.000723 J | 0.0176 | < 0.000200 | 0.000235 J | < 0.000400 | 0.00576 | < 0.000600 | 0.0216 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 0.384 U |
| | | 05/08/2025 | N | < 0.000400 | 0.000423 J | 0.0164 | < 0.000200 | < 0.000200 | < 0.000400 | 0.00562 | < 0.000600 | 0.0186 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | < 0.100 U | 0.342 U |
| | | 08/13/2025 | N | < 0.000260 | 0.000646 J | 0.0175 | < 0.000600 | < 0.000420 | < 0.00173 | 0.00679 | < 0.000470 | 0.0219 | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | < 0.100 U | 0.802 |
| | | 11/17/2025 | N | < 0.000260 | 0.00113 J[U] | 0.0179 | < 0.000600 | < 0.000420 | < 0.00173 | 0.00603 | < 0.000470 | 0.0252 | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | 0.0800 J[U] | 0.430 U |
| Crossgradient | MW-06 | 05/08/2025 | N | < 0.000400 | 0.00184 J | 0.113 | < 0.000200 | < 0.000200 | 0.000406 J | 0.000728 J | < 0.000600 | 0.00515 | 0.000620 J | < 0.00110 | < 0.000200 | < 0.0000300 | 0.230 | 0.827 |
| | | 08/13/2025 | N | < 0.000260 | 0.00162 J | 0.107 | < 0.000600 | < 0.000420 | < 0.00173 | 0.000547 J | < 0.000470 | 0.00570 | 0.000554 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.160 | 0.641 U |
| | | 11/17/2025 | N | < 0.000260 | 0.00145 J[U] | 0.103 | < 0.000600 | < 0.000420 | < 0.00173 | 0.000687 J | < 0.000470 | 0.00710 | 0.000667 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.300 | 1.45 |
| | MW-09 | 05/08/2025 | FD | < 0.000400 | 0.000936 J | 0.200 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000530 | < 0.000600 | 0.0261 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | 0.170 | 0.856 [J] |
| | | 05/08/2025 | N | < 0.000400 | 0.000951 J | 0.207 | < 0.000200 | < 0.000200 | < 0.000400 | < 0.000530 | < 0.000600 | 0.0269 | < 0.000600 | < 0.00110 | < 0.000200 | < 0.0000300 | 0.170 | 1.74 [J] |
| | | 08/13/2025 | N | < 0.000260 | 0.00145 J | 0.154 | < 0.000600 | < 0.000420 | < 0.00173 | 0.00203 | 0.000582 J | 0.0143 | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | 0.160 | 0.577 U |
| | | 11/17/2025 | N | < 0.000260 | 0.00236 | 0.243 | < 0.000600 | < 0.000420 | < 0.00173 | 0.00168 J | 0.00112 J | 0.0356 | < 0.000400 | < 0.00100 | < 0.000700 | < 0.0000300 | 0.230 | 2.32 |
| | MW-51 | 05/08/2025 | N | < 0.000400 | 0.000451 J | 0.303 | < 0.000200 | 0.00104 J | < 0.000400 | 0.00126 J | < 0.000600 | 0.0462 | < 0.000600 | 0.00177 J | < 0.000200 | < 0.0000300 | 0.230 | 1.80 |
| | | 08/13/2025 | N | < 0.000260 | 0.000596 J | 0.447 | < 0.000600 | 0.000748 J | < 0.00173 | 0.000640 J | < 0.000470 | 0.0453 | 0.000605 J | 0.00351 J | < 0.000700 | < 0.0000300 | 0.160 | 1.00 |
| | | 11/17/2025 | N | < 0.000260 | 0.00107 J[U] | 0.424 | < 0.000600 | 0.000619 J | < 0.00173 | 0.000699 J | < 0.000470 | 0.0464 | 0.000557 J | 0.00292 J | < 0.000700 | < 0.0000300 | 0.370 | 1.72 |
| | MW-52 | 05/08/2025 | N | < 0.000400 | 0.000847 J | 0.0678 | < 0.000200 | < 0.000200 | 0.000438 J | < 0.000530 | < 0.000600 | 0.0366 | 0.00108 J | 0.00729 | < 0.000200 | < 0.0000300 | 0.200 | 0.570 U |
| | | 08/13/2025 | FD | < 0.000260 | 0.000535 J | 0.0815 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0360 | 0.000607 J | 0.0161 | < 0.000700 | < 0.0000300 | 0.100 J | n/a |
| | | 08/13/2025 | N | < 0.000260 | 0.000524 J | 0.0837 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | 0.00150 J | 0.0384 | 0.000476 J | 0.0170 | < 0.000700 | < 0.0000300 | 0.0900 J | 1.03 |
| | | 11/17/2025 | N | < 0.000260 | 0.00111 J[U] | 0.0803 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | 0.000489 J | 0.0426 | < 0.000400 | 0.0125 | < 0.000700 | < 0.0000300 | 0.230 | 1.41 |

**Table 2-3**
**Summary of Groundwater Monitoring Data**
**2023 - 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | | NRG App IV | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Lead | Lithium | Molybdenum | Selenium | Thallium | Mercury | Fluoride | Radium-226/228 |
| Unit | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | pci/L |
| Lab Method | | | | SW6020A | | | | | | | | | | | | SW7470A | A4500-F C-11 | EPA 903.1/904.0 |
| **Well Description** | **Well ID** | **Sample Date** | **Duplicate** | | | | | | | | | | | | | | | |
| **Landfill** | | | | | | | | | | | | | | | | | | |
| Crossgradient | MW-53 | 05/08/2025 | N | < 0.000400 | 0.00181 J | 0.230 | < 0.000200 | < 0.000200 | 0.000477 J | 0.000612 J | < 0.000600 | 0.00982 | 0.00300 J | 0.00128 J | < 0.000200 | < 0.0000300 | 0.580 | 1.40 |
| | | 08/13/2025 | N | < 0.000260 | 0.00119 J | 0.0794 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.00881 | 0.000733 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.550 | 0.784 |
| | | 11/17/2025 | N | < 0.000260 | 0.00152 J[U] | 0.0808 | < 0.000600 | < 0.000420 | < 0.00173 | < 0.000530 | < 0.000470 | 0.0112 | 0.000948 J | < 0.00100 | < 0.000700 | < 0.0000300 | 0.580 | 1.81 |

**Notes**

| | |
|---|---|
| N | Normal sample |
| FD | Field Duplicate |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but ≥ to the method detection limit. |
| JL | Estimated data - bias in sample, likely to be low.; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements. |
| U | Analyte was not detected at or above the method detection limit. |
| n/a | Not analyzed |
| mg/L | Milligrams per liter |

**Table 2-4**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**March 20, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-01 | x | | 420.84 | NP | 2.96 | 0.00 | 0.00 | 417.88 | 46.92 | 49.88 | 20 | 39.88 | 3.80 | 18.2 | 986 | 2.2 | 384.7 | 5.7 | Clear |
| MW-02 | x | | 430.01 | NP | 4.62 | 0.00 | 0.00 | 425.39 | 53.38 | 58.00 | 30 | 43.00 | 5.27 | 18.1 | 2,170 | 2.8 | 165.1 | 7.4 | Clear |
| MW-17 | x | | 421.22 | NP | 3.04 | 0.00 | 0.00 | 418.18 | 53.84 | 56.88 | 15 | 51.88 | 5.77 | 17.8 | 135 | 1.4 | 34.0 | 6.0 | Clear |
| MW-18 | x | | 436.30 | NP | 9.75 | 0.00 | 0.00 | 426.55 | 54.99 | 64.74 | 25 | 59.74 | 5.95 | 20.5 | 591 | 2.6 | 147.2 | 6.1 | Clear |
| MW-19 | x | | 443.79 | NP | 17.32 | 0.00 | 0.00 | 426.47 | 21.03 | 38.35 | 10 | 33.34 | 5.64 | 17.7 | 395 | 3.1 | 164.7 | 10.9 | Clear |
| MW-20 | x | | 445.11 | NP | 18.38 | 0.00 | 0.00 | 426.73 | 24.88 | 43.26 | 10 | 38.24 | 6.18 | 20.2 | 432 | 3.1 | 91.7 | 8.1 | Clear |
| MW-21 | x | | 446.35 | NP | 15.51 | 0.00 | 0.00 | 430.84 | 22.75 | 38.26 | 10 | 33.28 | 5.31 | 20.3 | 354 | 1.3 | 22.9 | 6.4 | Clear |
| MW-22 | x | | 447.59 | NP | 15.13 | 0.00 | 0.00 | 432.46 | 22.95 | 38.08 | 10 | 33.05 | 5.51 | 19.7 | 397 | 2.1 | -24.7 | 4.5 | Clear |
| MW-27R | x | | 457.89 | NP | 18.03 | 0.00 | 0.00 | 439.86 | 44.32 | 62.35 | 10 | 57.35 | 6.39 | 18.7 | 5,560 | 3.1 | -38.1 | 3.8 | Clear |
| MW-28 | | x | 477.52 | NP | 30.28 | 0.00 | 0.00 | 447.24 | 33.62 | 63.90 | 10 | 58.90 | 5.30 | 18.8 | 6,690 | 3.1 | 174.0 | 13.8 | Clear |
| MW-47 | x | | 432.85 | NP | 11.14 | 0.00 | 0.00 | 421.71 | 17.34 | 28.48 | 10 | 23.48 | 6.64 | 23.2 | 1,407 | 2.4 | 54.5 | 9.1 | Clear |
| MW-48 | x | | 435.99 | NP | 13.31 | 0.00 | 0.00 | 422.68 | 15.31 | 28.62 | 10 | 23.62 | 6.56 | 22.7 | 2,680 | 1.7 | 25.8 | 8.0 | Clear |
| MW-49 | x | | 439.52 | NP | 16.84 | 0.00 | 0.00 | 422.68 | 16.30 | 33.14 | 10 | 28.14 | 6.00 | 22.2 | 1,898 | 2.4 | -71.2 | 13.8 | Clear |
| MW-50 | x | | 432.84 | NP | 6.57 | 0.00 | 0.00 | 426.27 | 16.62 | 23.19 | 10 | 18.19 | 5.64 | 17.8 | 2,420 | 2.1 | 138.4 | 7.0 | Clear |
| *Gauge Only:* | | | | | | | | | | | | | | | | | | | |
| MW-06 | | | 457.62 | NP | 18.46 | 0.00 | 0.00 | 439.16 | 13.42 | 31.88 | 20 | NS | NA | NA | NA | NA | NA | NA | NA |
| MW-09 | | | 452.03 | NP | 17.79 | 0.00 | 0.00 | 434.24 | 21.62 | 39.41 | 15 | NS | NA | NA | NA | NA | NA | NA | NA |
| MW-16 | | | 465.29 | NP | 17.25 | 0.00 | 0.00 | 448.04 | 12.83 | 30.08 | NR | NS | NA | NA | NA | NA | NA | NA | NA |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

**Table 2-5**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**April 24, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-01 | x | | 420.84 | NP | 2.72 | 0.00 | 0.00 | 418.12 | 47.16 | 49.88 | 20 | 39.88 | 3.65 | 20.5 | 1,153 | 2.3 | 377.7 | 5.9 | Clear |
| MW-02 | x | | 430.01 | NP | 4.46 | 0.00 | 0.00 | 425.55 | 53.54 | 58.00 | 30 | 43.00 | 5.41 | 20.5 | 1,940 | 3.1 | 149.8 | 6.7 | Clear |
| MW-21 | x | | 446.35 | NP | 14.89 | 0.00 | 0.00 | 431.46 | 23.37 | 38.26 | 10 | 33.28 | 5.43 | 21.9 | 534 | 1.4 | 165.3 | 6.9 | Clear |
| MW-28 | | x | 477.52 | NP | 29.87 | 0.00 | 0.00 | 447.65 | 34.03 | 63.90 | 10 | 58.90 | 5.12 | 21.7 | 6,810 | 3.0 | 126.8 | 12.4 | Clear |
| MW-47 | x | | 432.85 | NP | 10.80 | 0.00 | 0.00 | 422.05 | 17.68 | 28.48 | 10 | 23.48 | 6.73 | 21.0 | 1,168 | 1.5 | 78.2 | 8.8 | Clear |
| MW-50 | x | | 432.84 | NP | 6.52 | 0.00 | 0.00 | 426.32 | 16.67 | 23.19 | 10 | 18.19 | 5.48 | 19.2 | 2,170 | 1.2 | 146.1 | 6.3 | Clear |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

**Table 2-6**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**May 8, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-06 | x | | 457.62 | NP | 18.05 | 0.00 | 0.00 | 439.57 | 13.83 | 31.88 | 20 | 26.9 | 6.45 | 21.9 | 711 | 2.6 | 45.8 | 9.1 | Clear |
| MW-09 | x | | 452.03 | NP | 17.50 | 0.00 | 0.00 | 434.53 | 21.91 | 39.41 | 15 | 31.9 | 6.26 | 23.6 | 1,063 | 1.2 | 130.0 | 12.2 | Clear |
| MW-16 | x | | 456.80 | NP | 16.94 | 0.00 | 0.00 | 439.86 | 13.14 | 30.08 | NR | 25.1 | 6.36 | 22.0 | 325 | 3.0 | 124.1 | 5.9 | Clear |
| MW-47 | x | | 432.85 | NP | 10.68 | 0.00 | 0.00 | 422.17 | 17.80 | 28.48 | 10 | 23.5 | 6.65 | 24.7 | 1,076 | 1.5 | 132.3 | 7.2 | Clear |
| MW-48 | x | | 435.99 | NP | 12.78 | 0.00 | 0.00 | 423.21 | 15.84 | 28.62 | 10 | 23.6 | 6.50 | 25.2 | 1,982 | 1.6 | 152.4 | 8.6 | Clear |
| MW-49 | x | | 439.52 | NP | 16.40 | 0.00 | 0.00 | 423.12 | 16.74 | 33.14 | 10 | 28.1 | 6.07 | 24.7 | 1,446 | 1.8 | -67.6 | 10.7 | Clear |
| MW-50 | x | | 432.84 | NP | 5.36 | 0.00 | 0.00 | 427.48 | 17.83 | 23.19 | 10 | 18.2 | 5.37 | 21.9 | 2,830 | 2.3 | 140.6 | 7.7 | Clear |
| MW-51 | x | | 457.84 | NP | 24.71 | 0.00 | 0.00 | 433.13 | 18.89 | 43.60 | 10 | 38.6 | 6.41 | 26.6 | 3,720 | 2.1 | 100.3 | 20.4 | Clear |
| MW-52 | x | | 469.85 | NP | 28.52 | 0.00 | 0.00 | 441.33 | 14.33 | 42.85 | 10 | 37.9 | 6.88 | 25.1 | 2,320 | 2.2 | 68.6 | 37.0 | Sl. Cloudy |
| MW-53 | x | | 456.50 | NP | 13.00 | 0.00 | 0.00 | 443.50 | 20.70 | 33.70 | 20 | 28.7 | 6.58 | 22.1 | 1,630 | 2.9 | 169.1 | 8.7 | Clear |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

**Table 2-7**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**August 13, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-01 | x | | 420.84 | NP | 2.63 | 0.00 | 0.00 | 418.21 | 47.25 | 49.88 | 20 | 39.88 | 4.19 | 23.0 | 719 | 2.4 | 417.2 | 6.7 | Clear |
| MW-02 | x | | 430.01 | NP | 4.61 | 0.00 | 0.00 | 425.40 | 53.39 | 58.00 | 30 | 43.00 | 5.17 | 22.8 | 1,507 | 1.9 | 227.5 | 8.8 | Clear |
| MW-06 | x | | 457.62 | NP | 19.34 | 0.00 | 0.00 | 438.28 | 12.54 | 31.88 | 20 | 26.9 | 6.68 | 22.7 | 588 | 2.1 | -11.9 | 8.1 | Clear |
| MW-09 | x | | 452.03 | NP | 18.45 | 0.00 | 0.00 | 433.58 | 20.96 | 39.41 | 15 | 31.9 | 6.38 | 24.4 | 622 | 1.5 | -64.7 | 7.3 | Clear |
| MW-16 | x | | 463.80 | NP | 17.53 | 0.00 | 0.00 | 446.27 | 12.55 | 30.08 | NR | 25.1 | 6..79 | 26.6 | 687 | 3.2 | 74.5 | 4.3 | Clear |
| MW-17 | x | | 421.22 | NP | 3.22 | 0.00 | 0.00 | 418.00 | 53.66 | 56.88 | 15 | 51.88 | 6.72 | 27.1 | 258 | 1.8 | 56.2 | 4.7 | Clear |
| MW-18 | x | | 436.30 | NP | 9.77 | 0.00 | 0.00 | 426.53 | 54.97 | 64.74 | 25 | 59.74 | 5.92 | 25.0 | 500 | 2.0 | 148.3 | 5.0 | Clear |
| MW-19 | x | | 443.79 | NP | 17.15 | 0.00 | 0.00 | 426.64 | 21.20 | 38.35 | 10 | 33.34 | 5.83 | 25.3 | 463 | 3.3 | 182.2 | 8.8 | Clear |
| MW-20 | x | | 445.11 | NP | 17.91 | 0.00 | 0.00 | 427.20 | 25.35 | 43.26 | 10 | 38.24 | 6.42 | 25.9 | 451 | 4.0 | 154.2 | 6.4 | Clear |
| MW-21 | x | | 446.35 | NP | 15.92 | 0.00 | 0.00 | 430.43 | 22.34 | 38.26 | 10 | 33.28 | 5.55 | 24.3 | 499 | 3.2 | 189.3 | 8.2 | Clear |
| MW-22 | x | | 447.59 | NP | 14.99 | 0.00 | 0.00 | 432.60 | 23.09 | 38.08 | 10 | 33.05 | 5.12 | 23.4 | 518 | 1.7 | 154.3 | 2.6 | Clear |
| MW-27R | x | | 457.89 | NP | 17.84 | 0.00 | 0.00 | 440.05 | 44.51 | 62.35 | 10 | 57.35 | 6.20 | 23.6 | 4,800 | 1.9 | -29.6 | 4.2 | Clear |
| MW-28R | | x | 477.52 | NP | 28.46 | 0.00 | 0.00 | 449.06 | 35.44 | 63.90 | 10 | 58.90 | 5.19 | 24.8 | 6,670 | 2.7 | 71.3 | 10.4 | Clear |
| MW-47 | x | | 432.85 | NP | 10.85 | 0.00 | 0.00 | 422.00 | 17.63 | 28.48 | 10 | 23.50 | 6.69 | 23.7 | 1,452 | 1.6 | 30.4 | 5.3 | Clear |
| MW-48 | x | | 435.99 | NP | 13.03 | 0.00 | 0.00 | 422.96 | 15.59 | 28.62 | 10 | 23.60 | 6.45 | 23.8 | 2,020 | 1.7 | -21.6 | 5.4 | Clear |
| MW-49 | x | | 439.52 | NP | 16.92 | 0.00 | 0.00 | 422.60 | 16.22 | 33.14 | 10 | 28.10 | 6.12 | 23.8 | 1,803 | 2.0 | -24.1 | 6.9 | Clear |
| MW-50 | x | | 432.84 | NP | 6.94 | 0.00 | 0.00 | 425.90 | 16.25 | 23.19 | 10 | 18.20 | 5.20 | 23.1 | 2,760 | 1.7 | 101.7 | 4.3 | Clear |
| MW-51 | x | | 457.84 | NP | 23.92 | 0.00 | 0.00 | 433.92 | 19.68 | 43.60 | 10 | 38.6 | 6.46 | 25.6 | 7,590 | 2.2 | 38.3 | 34.4 | Clear |
| MW-52 | x | | 469.85 | NP | 27.74 | 0.00 | 0.00 | 442.11 | 15.11 | 42.85 | 10 | 37.9 | 6.98 | 24.9 | 2,220 | 2.0 | 87.9 | 45.8 | Sl. Cloudy |
| MW-53 | x | | 456.50 | NP | 15.12 | 0.00 | 0.00 | 441.38 | 18.58 | 33.70 | 20 | 28.7 | 6.42 | 22.2 | 1,644 | 2.0 | -2.7 | 8.1 | Clear |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

**Table 2-8**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**September 4, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-16 | x | | 463.80 | NP | 17.64 | 0.00 | 0.00 | 446.16 | 12.44 | 30.08 | NR | 25.1 | 6.49 | 26.6 | 549 | 2.9 | 132.9 | 4.9 | Clear |
| MW-21 | x | | 446.35 | NP | 16.30 | 0.00 | 0.00 | 430.05 | 21.96 | 38.26 | 10 | 33.28 | 5.35 | 25.4 | 444 | 2.0 | 195.7 | 5.2 | Clear |
| MW-28 | | x | 477.52 | NP | 28.35 | 0.00 | 0.00 | 449.17 | 35.55 | 63.90 | 10 | 58.90 | 5.28 | 26.4 | 5,870 | 2.4 | 58.4 | 14.9 | Clear |
| MW-47 | x | | 432.85 | NP | 10.83 | 0.00 | 0.00 | 422.02 | 17.65 | 28.48 | 10 | 23.50 | 6.61 | 24.8 | 1,319 | 2.1 | 14.7 | 4.8 | Clear |
| MW-50 | x | | 432.84 | NP | 6.86 | 0.00 | 0.00 | 425.98 | 16.33 | 23.19 | 10 | 18.20 | 5.17 | 25.0 | 2,460 | 1.7 | 101.9 | 4.1 | Clear |
| MW-53 | x | | 456.50 | NP | 14.32 | 0.00 | 0.00 | 442.18 | 19.38 | 33.70 | 20 | 28.7 | 6.39 | 24.5 | 1,719 | 2.1 | -47.9 | 6.9 | Clear |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

**Table 1 - CCR Program**
**Gauging Data and Groundwater Field Parameters**
**NRG - Limestone Generating Station**
**Jewett, Texas**
**November 17, 2025**

| Sample I.D. | Peristaltic Low-Flow Sample | Dedicated Bladder Low-Flow Sample | Top of Casing Elev (ft-msl) | Depth to LNAPL (ft-toc) | Depth to Water (ft-toc) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Corrected GW Elev (ft-msl) | Water Column (ft) | Total Depth (ft-toc) | Screen Length (ft) | Sample Intake (ft-toc) | pH (S.U.) | Temp. (C) | S.C. (umhos) | D.O. (mg/L) | ORP (mV) | Turbidity (NTU) | Water Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Landfill** | | | | | | | | | | | | | | | | | | | |
| MW-06 | x | | 457.62 | NP | 20.06 | 0.00 | 0.00 | 437.56 | 11.82 | 31.88 | 20 | 26.9 | 6.34 | 23.4 | 728 | 2.4 | -8.7 | 7.3 | Clear |
| MW-09 | x | | 452.03 | NP | 19.21 | 0.00 | 0.00 | 432.82 | 20.20 | 39.41 | 15 | 31.9 | 6.16 | 25.1 | 1,207 | 1.3 | -44.6 | 6.5 | Clear |
| MW-16 | x | | 463.80 | NP | 18.14 | 0.00 | 0.00 | 445.66 | 11.94 | 30.08 | NR | 25.1 | 6.45 | 23.7 | 399 | 2.6 | 119.3 | 7.1 | Clear |
| MW-47 | x | | 432.85 | NP | 11.02 | 0.00 | 0.00 | 421.83 | 17.46 | 28.48 | 10 | 23.5 | 6.51 | 23.8 | 1,268 | 1.5 | 42.3 | 6.1 | Clear |
| MW-48 | x | | 435.99 | NP | 13.31 | 0.00 | 0.00 | 422.68 | 15.31 | 28.62 | 10 | 23.6 | 6.84 | 22.7 | 986 | 1.7 | 148.7 | 6.9 | Clear |
| MW-49 | x | | 439.52 | NP | 17.20 | 0.00 | 0.00 | 422.32 | 15.94 | 33.14 | 10 | 28.1 | 6.10 | 24.2 | 1,473 | 1.7 | -27.7 | 5.4 | Clear |
| MW-50 | x | | 432.84 | NP | 7.33 | 0.00 | 0.00 | 425.51 | 15.86 | 23.19 | 10 | 18.2 | 5.42 | 22.8 | 2,690 | 1.8 | 98.6 | 5.4 | Clear |
| MW-51 | x | | 457.84 | NP | 24.70 | 0.00 | 0.00 | 433.14 | 18.90 | 43.60 | 10 | 38.6 | 6.38 | 27.0 | 3,400 | 2.3 | 69.7 | 6.1 | Clear |
| MW-52 | x | | 469.85 | NP | 28.76 | 0.00 | 0.00 | 441.09 | 14.09 | 42.85 | 10 | 37.9 | 6.84 | 27.8 | 2,540 | 2.4 | 81.7 | 6.9 | Clear |
| MW-53 | x | | 456.50 | NP | 15.13 | 0.00 | 0.00 | 441.37 | 18.57 | 33.70 | 20 | 28.7 | 6.19 | 22.6 | 1,916 | 1.4 | -45.6 | 4.7 | Clear |

Notes:
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, NR = Not reported

# Appendix A

# Detection Monitoring Data (March 2025)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

March 27, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 230
Houston, TX 77079

Work Order: **HS25031035**

Laboratory Results for: **NRG Limestone- Appendix III**

Dear Lori Burris,

ALS Environmental received 16 sample(s) on Mar 20, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: JUMOKE.LAWAL**
Andy C. Neir

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone- Appendix III | |
| **WorkOrder:** | **HS25031035** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone- Appendix III | |
| **WorkOrder:** | **HS25031035** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 03/27/2025 | | | | | |
| Project Name: NRG Limestone- Appendix III | | | Laboratory Job Number: HS25031035 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 225731,R509413,R509454,R509640,R509684 | | | | | |
| #[1] | A[2] | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **R1** | OI | **Chain-of-custody (C-O-C)** | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | |
| **R2** | OI | **Sample and quality control (QC) identification** | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | |
| **R3** | OI | **Test reports** | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | |
| | | If required for the project, TICs reported? | | | X | | |
| **R4** | O | **Surrogate recovery data** | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | OI | **Test reports/summary forms for blank samples** | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | Were blank concentrations < MQL? | X | | | | |
| **R6** | OI | **Laboratory control samples (LCS):** | | | | | |
| | | Were all COCs included in the LCS? | X | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | OI | **Analytical duplicate data** | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | OI | **Method quantitation limits (MQLs):** | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | |
| **R10** | OI | **Other problems/anomalies** | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 03/27/2025 | | | | |
| Project Name: NRG Limestone- Appendix III | | | Laboratory Job Number: HS25031035 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 225731,R509413,R509454,R509640,R509684 | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] |
| S1 | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 3 |
| S3 | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| S4 | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| S5 | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| S9 | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| S10 | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S11 | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| S12 | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| S16 | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 03/27/2025 |
| Project Name: NRG Limestone- Appendix III | Laboratory Job Number: HS25031035 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 225731,R509413,R509454,R509640,R509684 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 225731, Metals Method SW6020, sample MW-02, MS and or MSD recovered outside the control limit however the result in the parent sample is greater than 4x spike amount for Calcium and Sodium. |
| 2 | The analysis for Sulfide was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report |
| 3 | See Run Log and CCB Exceptions Report. |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035
Start Date: 26-Mar-2025 End Date: 26-Mar-2025

Run ID:ICPMS06_509609
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| LLICV5 | 1 | 26-Mar-2025 09:59 | 021LCV5.d | B CA NA |
| LLICV2 | 1 | 26-Mar-2025 10:01 | 022LCV2.d | B CA NA |
| ICB | 1 | 26-Mar-2025 10:02 | 023_ICB.d | B CA NA |
| ICV | 1 | 26-Mar-2025 10:04 | 024_ICV.d | B CA NA |
| ICSA | 1 | 26-Mar-2025 10:09 | 026ICSA.d | B CA NA |
| ICSAB | 1 | 26-Mar-2025 10:11 | 027ICSB.d | B CA NA |
| CCV 1 | 1 | 26-Mar-2025 10:20 | 030_CCV.d | B CA NA |
| CCB 1 | 1 | 26-Mar-2025 10:22 | 031_CCB.d | B CA NA |
| CCV 2 | 1 | 26-Mar-2025 10:41 | 038_CCV.d | B CA NA |
| CCB 2 | 1 | 26-Mar-2025 10:43 | 039_CCB.d | B CA NA |
| CCV 3 | 1 | 26-Mar-2025 11:03 | 049_CCV.d | B CA NA |
| CCB 3 | 1 | 26-Mar-2025 11:05 | 050_CCB.d | B CA NA |
| CCV 4 | 1 | 26-Mar-2025 11:30 | 060_CCV.d | B CA NA |
| CCB 4 | 1 | 26-Mar-2025 11:32 | 061_CCB.d | B CA NA |
| CCV 5 | 1 | 26-Mar-2025 11:56 | 072_CCV.d | B CA NA |
| CCB 5 | 1 | 26-Mar-2025 11:58 | 073_CCB.d | B CA NA |
| CCV 6 | 1 | 26-Mar-2025 12:19 | 084_CCV.d | B CA NA |
| CCB 6 | 1 | 26-Mar-2025 12:21 | 085_CCB.d | B CA NA |
| CCV 7 | 1 | 26-Mar-2025 13:06 | 092_CCV.d | B CA NA |
| CCB 7 | 1 | 26-Mar-2025 13:08 | 093_CCB.d | B CA NA |
| CCV 8 | 1 | 26-Mar-2025 13:31 | 103_CCV.d | B CA NA |
| CCB 8 | 1 | 26-Mar-2025 13:32 | 104_CCB.d | B CA NA |
| CCB 9 | 1 | 26-Mar-2025 13:56 | 116_CCB.d | B CA NA |
| CCV 9 | 1 | 26-Mar-2025 14:02 | 118_CCV.d | B CA NA |
| CCV 10 | 1 | 26-Mar-2025 14:26 | 129_CCV.d | B CA NA |
| CCB 10 | 1 | 26-Mar-2025 14:28 | 130_CCB.d | B CA NA |
| CCV 11 | 1 | 26-Mar-2025 15:09 | 141_CCV.d | B CA NA |
| CCB 11 | 1 | 26-Mar-2025 15:11 | 142_CCB.d | B CA NA |
| CCV 12 | 1 | 26-Mar-2025 15:35 | 153_CCV.d | B CA NA |
| CCB 12 | 1 | 26-Mar-2025 15:37 | 154_CCB.d | B CA NA |
| CCV 13 | 1 | 26-Mar-2025 15:58 | 163_CCV.d | B CA NA |
| CCB 13 | 1 | 26-Mar-2025 16:00 | 164_CCB.d | B CA NA |
| CCV 14 | 1 | 26-Mar-2025 16:29 | 175_CCV.d | B CA NA |
| CCB 14 | 1 | 26-Mar-2025 16:31 | 176_CCB.d | B CA NA |
| CCV 15 | 1 | 26-Mar-2025 16:57 | 187_CCV.d | B CA NA |
| CCB 15 | 1 | 26-Mar-2025 16:59 | 188_CCB.d | B CA NA |
| CCV 16 | 1 | 26-Mar-2025 17:35 | 199_CCV.d | B CA NA |
| CCB 16 | 1 | 26-Mar-2025 17:37 | 200_CCB.d | B CA NA |
| CCV 17 | 1 | 26-Mar-2025 18:03 | 211_CCV.d | B CA NA |
| CCB 17 | 1 | 26-Mar-2025 18:05 | 212_CCB.d | B CA NA |
| CCV 18 | 1 | 26-Mar-2025 18:36 | 223_CCV.d | B CA NA |
| CCB 18 | 1 | 26-Mar-2025 18:38 | 224_CCB.d | B CA NA |
| CCV 19 | 1 | 26-Mar-2025 19:03 | 235_CCV.d | B CA NA |
| CCB 19 | 1 | 26-Mar-2025 19:05 | 236_CCB.d | B CA NA |
| MBLK-225731 | 1 | 26-Mar-2025 19:10 | 237SMPL.d | B CA NA |
| LCS-225731 | 1 | 26-Mar-2025 19:12 | 238SMPL.d | B CA NA |
| MW-02SD | 5 | 26-Mar-2025 19:14 | 239SMPL.d | NA |
| MW-02MS | 1 | 26-Mar-2025 19:22 | 242SMPL.d | B CA NA |
| MW-02MSD | 1 | 26-Mar-2025 19:24 | 243SMPL.d | B CA NA |
| MW-02PDS | 1 | 26-Mar-2025 19:26 | 244SMPL.d | NA |

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035
Start Date: 26-Mar-2025 End Date: 26-Mar-2025

Run ID:ICPMS06_509609
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| CCV 20 | 1 | 26-Mar-2025 19:33 | 247_CCV.d | B CA NA |
| CCB 20 | 1 | 26-Mar-2025 19:35 | 248_CCB.d | B CA NA |
| MW-01 | 1 | 26-Mar-2025 19:39 | 249SMPL.d | B CA |
| MW-17 | 1 | 26-Mar-2025 19:41 | 250SMPL.d | B CA |
| MW-18 | 1 | 26-Mar-2025 19:43 | 251SMPL.d | B CA |
| MW-19 | 1 | 26-Mar-2025 19:45 | 252SMPL.d | B CA |
| MW-20 | 1 | 26-Mar-2025 19:47 | 253SMPL.d | B CA |
| MW-21 | 1 | 26-Mar-2025 19:49 | 254SMPL.d | B CA NA |
| MW-22 | 1 | 26-Mar-2025 19:51 | 255SMPL.d | B CA |
| MW-27R | 1 | 26-Mar-2025 19:53 | 256SMPL.d | B |
| CCV 21 | 1 | 26-Mar-2025 20:01 | 259_CCV.d | B CA NA |
| CCB 21 | 1 | 26-Mar-2025 20:03 | 260_CCB.d | B CA NA |
| MW-47 | 1 | 26-Mar-2025 20:05 | 261SMPL.d | B CA |
| MW-48 | 1 | 26-Mar-2025 20:07 | 262SMPL.d | B CA |
| MW-49 | 1 | 26-Mar-2025 20:09 | 263SMPL.d | B CA |
| MW-50 | 1 | 26-Mar-2025 20:11 | 264SMPL.d | B |
| FIELD BLANK | 1 | 26-Mar-2025 20:13 | 265SMPL.d | B CA |
| FIELD DUPLICATE | 1 | 26-Mar-2025 20:15 | 266SMPL.d | B CA |
| CCV 22 | 1 | 26-Mar-2025 20:25 | 271_CCV.d | B CA NA |
| CCB 22 | 1 | 26-Mar-2025 20:27 | 272_CCB.d | B CA NA |
| MW-02 | 10 | 26-Mar-2025 20:35 | 276SMPL.d | B CA |
| MW-02SD | 50 | 26-Mar-2025 20:37 | 277SMPL.d | B CA |
| MW-02PDS | 10 | 26-Mar-2025 20:39 | 278SMPL.d | B CA |
| CCV 23 | 1 | 26-Mar-2025 20:43 | 280_CCV.d | B CA NA |
| CCB 23 | 1 | 26-Mar-2025 20:45 | 281_CCB.d | B CA NA |
| LLCCV2 | 1 | 26-Mar-2025 20:47 | 282LCV2.d | B CA NA |
| LLCCV5 | 1 | 26-Mar-2025 20:49 | 283LCV5.d | B CA NA |
| ICSA | 1 | 26-Mar-2025 20:50 | 284ICSA.d | B CA NA |
| ICSAB | 1 | 26-Mar-2025 20:52 | 285ICSB.d | B CA NA |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

Run ID:ICPMS06_509609
Instrument:ICPMS06
Method:SW6020A

| | | | | | |
|---|---|---|---|---|---|
| ICB | Date: 26-Mar-2025 10:02 | Seq: 8746575 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 15.47 | 14 | 200 | |
| CCB 3 | Date: 26-Mar-2025 11:05 | Seq: 8746611 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 90.36 | 14 | 200 | |
| CCB 4 | Date: 26-Mar-2025 11:32 | Seq: 8747034 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 28.86 | 14 | 200 | |
| CCB 5 | Date: 26-Mar-2025 11:58 | Seq: 8747046 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 88.31 | 14 | 200 | |
| CCB 6 | Date: 26-Mar-2025 12:21 | Seq: 8747058 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 60.72 | 14 | 200 | |
| CCB 7 | Date: 26-Mar-2025 13:08 | Seq: 8747068 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 31.48 | 14 | 200 | |
| CCB 9 | Date: 26-Mar-2025 13:56 | Seq: 8747248 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 44.72 | 14 | 200 | |
| CCB 10 | Date: 26-Mar-2025 14:28 | Seq: 8747285 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 57.32 | 14 | 200 | |
| CCB 11 | Date: 26-Mar-2025 15:11 | Seq: 8747658 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | 26.58 | 14 | 200 | |
| CCB 12 | Date: 26-Mar-2025 15:37 | Seq: 8747670 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Boron | 13.16 | 11 | 20 | |
| CCB 13 | Date: 26-Mar-2025 16:00 | Seq: 8747680 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Boron | 12.55 | 11 | 20 | |
| CCB 14 | Date: 26-Mar-2025 16:31 | Seq: 8747692 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | -19.74 | 14 | 200 | |
| CCB 17 | Date: 26-Mar-2025 18:05 | Seq: 8747849 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Sodium | -17.78 | 14 | 200 | |
| CCB 19 | Date: 26-Mar-2025 19:05 | Seq: 8747902 | | D/F: 1 | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

Run ID:ICPMS06_509609
Instrument:ICPMS06
Method:SW6020A

| | | | | | |
|---|---|---|---|---|---|
| | Sodium | -22.16 | 14 | 200 | |

| CCB 20 | Date: 26-Mar-2025 19:35 | Seq: 8747914 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| | **Analyte** | **Result** | **MDL** | **Report Limit** |
| | Sodium | -31.95 | 14 | 200 |

| CCB 21 | Date: 26-Mar-2025 20:03 | Seq: 8748418 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| | **Analyte** | **Result** | **MDL** | **Report Limit** |
| | Sodium | -40.43 | 14 | 200 |

| CCB 23 | Date: 26-Mar-2025 20:45 | Seq: 8748439 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| | **Analyte** | **Result** | **MDL** | **Report Limit** |
| | Sodium | 37.13 | 14 | 200 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**Work Order:** HS25031035

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25031035-01 | MW-01 | Water | | 20-Mar-2025 09:35 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-02 | MW-02 | Water | | 20-Mar-2025 08:55 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-03 | MW-17 | Water | | 20-Mar-2025 10:15 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-04 | MW-18 | Water | | 20-Mar-2025 11:05 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-05 | MW-19 | Water | | 20-Mar-2025 08:55 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-06 | MW-20 | Water | | 20-Mar-2025 09:40 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-07 | MW-21 | Water | | 20-Mar-2025 10:15 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-08 | MW-22 | Water | | 20-Mar-2025 10:55 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-09 | MW-27R | Water | | 20-Mar-2025 08:25 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-10 | MW-28R | Water | | 20-Mar-2025 09:25 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-11 | MW-47 | Water | | 20-Mar-2025 12:05 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-12 | MW-48 | Water | | 20-Mar-2025 09:55 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-13 | MW-49 | Water | | 20-Mar-2025 09:10 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-14 | MW-50 | Water | | 20-Mar-2025 11:25 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-15 | FIELD BLANK | Water | | 20-Mar-2025 09:05 | 20-Mar-2025 16:05 | ☐ |
| HS25031035-16 | FIELD DUPLICATE | Water | | 20-Mar-2025 09:30 | 20-Mar-2025 16:05 | ☐ |

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-01
Collection Date: 20-Mar-2025 09:35

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0345** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:39 |
| **Calcium** | **52.5** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:39 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **296** | | **2.00** | **5.00** | **mg/L** | 10 | 26-Mar-2025 12:56 |
| **Sulfate** | **0.402** | J | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 15:35 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **744** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-02
Collection Date: 20-Mar-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.809** | | **0.110** | **0.200** | **mg/L** | 10 | 26-Mar-2025 20:35 |
| **Calcium** | **184** | | **0.340** | **5.00** | **mg/L** | 10 | 26-Mar-2025 20:35 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **258** | | **4.00** | **10.0** | **mg/L** | 20 | 26-Mar-2025 13:02 |
| **Sulfate** | **873** | | **4.00** | **10.0** | **mg/L** | 20 | 26-Mar-2025 13:02 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **1,310** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-17
Collection Date: 20-Mar-2025 10:15

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0262** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:41 |
| **Calcium** | **2.83** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:41 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **8.76** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:20 |
| **Sulfate** | **7.36** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:20 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **246** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-18
Collection Date: 20-Mar-2025 11:05

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0396** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:43 |
| **Calcium** | **65.4** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:43 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **10.8** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:26 |
| **Sulfate** | **30.7** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:26 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **346** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-19
Collection Date: 20-Mar-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0419** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:45 |
| **Calcium** | **32.4** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:45 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **38.5** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:31 |
| **Sulfate** | **97.5** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 13:31 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **352** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-20
Collection Date: 20-Mar-2025 09:40

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0414** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:47 |
| **Calcium** | **27.9** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:47 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **16.8** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 14:13 |
| **Sulfate** | **27.2** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 14:13 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **320** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-21
Collection Date: 20-Mar-2025 10:15

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.669** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:49 |
| **Calcium** | **44.3** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:49 |
| **Sodium** | **13.3** | | **0.0140** | **0.200** | **mg/L** | 1 | 26-Mar-2025 19:49 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **10.8** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 14:18 |
| **Sulfate** | **225** | | **1.00** | **2.50** | **mg/L** | 5 | 26-Mar-2025 15:41 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **342** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-22
Collection Date: 20-Mar-2025 10:55

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0422** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:51 |
| **Calcium** | **58.1** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 19:51 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **29.3** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 14:24 |
| **Sulfate** | **168** | | **1.00** | **2.50** | **mg/L** | 5 | 26-Mar-2025 15:46 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **352** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-27R
Collection Date: 20-Mar-2025 08:25

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.138** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 19:53 |
| **Calcium** | **571** | | **0.680** | **10.0** | **mg/L** | 20 | 27-Mar-2025 11:24 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **2,160** | | **10.0** | **25.0** | **mg/L** | 50 | 26-Mar-2025 14:30 |
| **Sulfate** | **809** | | **10.0** | **25.0** | **mg/L** | 50 | 26-Mar-2025 14:30 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **5,400** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-28R
Collection Date: 20-Mar-2025 09:25

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.217** | | **0.0220** | **0.0400** | **mg/L** | 2 | 27-Mar-2025 11:25 |
| **Calcium** | **633** | | **0.680** | **10.0** | **mg/L** | 20 | 27-Mar-2025 11:27 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **2,670** | | **10.0** | **25.0** | **mg/L** | 50 | 26-Mar-2025 14:36 |
| **Sulfate** | **940** | | **10.0** | **25.0** | **mg/L** | 50 | 26-Mar-2025 14:36 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **9,120** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-47
Collection Date: 20-Mar-2025 12:05

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0204** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:05 |
| **Calcium** | **36.8** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 20:05 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **144** | | **1.00** | **2.50** | **mg/L** | 5 | 26-Mar-2025 14:42 |
| **Sulfate** | **35.1** | | **1.00** | **2.50** | **mg/L** | 5 | 26-Mar-2025 14:42 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **828** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-48
Collection Date: 20-Mar-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-12
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0191** | J | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:07 |
| **Calcium** | **95.9** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 20:07 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **307** | | **2.00** | **5.00** | **mg/L** | 10 | 26-Mar-2025 14:48 |
| **Sulfate** | **648** | | **2.00** | **5.00** | **mg/L** | 10 | 26-Mar-2025 14:48 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,620** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-49
Collection Date: 20-Mar-2025 09:10

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-13
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0514** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:09 |
| **Calcium** | **116** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 20:09 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **290** | | **2.00** | **5.00** | **mg/L** | 10 | 26-Mar-2025 14:54 |
| **Sulfate** | **85.1** | | **2.00** | **5.00** | **mg/L** | 10 | 26-Mar-2025 14:54 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,160** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: MW-50
Collection Date: 20-Mar-2025 11:25

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-14
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.746** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:11 |
| **Calcium** | **338** | | **0.680** | **10.0** | **mg/L** | 20 | 27-Mar-2025 11:29 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **122** | | **4.00** | **10.0** | **mg/L** | 20 | 26-Mar-2025 15:17 |
| **Sulfate** | **1,560** | | **4.00** | **10.0** | **mg/L** | 20 | 26-Mar-2025 15:17 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **2,300** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: FIELD BLANK
Collection Date: 20-Mar-2025 09:05

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-15
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0448** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:13 |
| **Calcium** | **0.274** | J | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 20:13 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **1.41** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 15:23 |
| **Sulfate** | **0.482** | J | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 15:23 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | | 3.00 | 10.0 | mg/L | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix III
Sample ID: FIELD DUPLICATE
Collection Date: 20-Mar-2025 09:30

**ANALYTICAL REPORT**
WorkOrder:HS25031035
Lab ID:HS25031035-16
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 24-Mar-2025 | | Analyst: JC |
| **Boron** | **0.0425** | | **0.0110** | **0.0200** | **mg/L** | 1 | 26-Mar-2025 20:15 |
| **Calcium** | **33.2** | | **0.0340** | **0.500** | **mg/L** | 1 | 26-Mar-2025 20:15 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **38.6** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 15:29 |
| **Sulfate** | **99.0** | | **0.200** | **0.500** | **mg/L** | 1 | 26-Mar-2025 15:29 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **392** | | **3.00** | **10.0** | **mg/L** | 1 | 24-Mar-2025 13:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 26-Mar-2025 14:49 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**Batch ID:** 225731 **Start Date:** 24 Mar 2025 10:30 **End Date:** 24 Mar 2025 10:30
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25031035-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-12 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-13 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-14 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-15 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031035-16 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 225731 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25031035-01 | MW-01 | 20 Mar 2025 09:35 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:39 | 1 |
| HS25031035-02 | MW-02 | 20 Mar 2025 08:55 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:35 | 10 |
| HS25031035-03 | MW-17 | 20 Mar 2025 10:15 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:41 | 1 |
| HS25031035-04 | MW-18 | 20 Mar 2025 11:05 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:43 | 1 |
| HS25031035-05 | MW-19 | 20 Mar 2025 08:55 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:45 | 1 |
| HS25031035-06 | MW-20 | 20 Mar 2025 09:40 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:47 | 1 |
| HS25031035-07 | MW-21 | 20 Mar 2025 10:15 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:49 | 1 |
| HS25031035-08 | MW-22 | 20 Mar 2025 10:55 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:51 | 1 |
| HS25031035-09 | MW-27R | 20 Mar 2025 08:25 | | 24 Mar 2025 10:30 | 27 Mar 2025 11:24 | 20 |
| HS25031035-09 | MW-27R | 20 Mar 2025 08:25 | | 24 Mar 2025 10:30 | 26 Mar 2025 19:53 | 1 |
| HS25031035-10 | MW-28R | 20 Mar 2025 09:25 | | 24 Mar 2025 10:30 | 27 Mar 2025 11:27 | 20 |
| HS25031035-10 | MW-28R | 20 Mar 2025 09:25 | | 24 Mar 2025 10:30 | 27 Mar 2025 11:25 | 2 |
| HS25031035-11 | MW-47 | 20 Mar 2025 12:05 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:05 | 1 |
| HS25031035-12 | MW-48 | 20 Mar 2025 09:55 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:07 | 1 |
| HS25031035-13 | MW-49 | 20 Mar 2025 09:10 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:09 | 1 |
| HS25031035-14 | MW-50 | 20 Mar 2025 11:25 | | 24 Mar 2025 10:30 | 27 Mar 2025 11:29 | 20 |
| HS25031035-14 | MW-50 | 20 Mar 2025 11:25 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:11 | 1 |
| HS25031035-15 | FIELD BLANK | 20 Mar 2025 09:05 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:13 | 1 |
| HS25031035-16 | FIELD DUPLICATE | 20 Mar 2025 09:30 | | 24 Mar 2025 10:30 | 26 Mar 2025 20:15 | 1 |
| **Batch ID:** R509413 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25031035-01 | MW-01 | 20 Mar 2025 09:35 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-02 | MW-02 | 20 Mar 2025 08:55 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-03 | MW-17 | 20 Mar 2025 10:15 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-04 | MW-18 | 20 Mar 2025 11:05 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-05 | MW-19 | 20 Mar 2025 08:55 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-06 | MW-20 | 20 Mar 2025 09:40 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-07 | MW-21 | 20 Mar 2025 10:15 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-08 | MW-22 | 20 Mar 2025 10:55 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-09 | MW-27R | 20 Mar 2025 08:25 | | | 24 Mar 2025 09:00 | 1 |
| HS25031035-10 | MW-28R | 20 Mar 2025 09:25 | | | 24 Mar 2025 09:00 | 1 |
| **Batch ID:** R509454 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25031035-11 | MW-47 | 20 Mar 2025 12:05 | | | 24 Mar 2025 13:00 | 1 |
| HS25031035-12 | MW-48 | 20 Mar 2025 09:55 | | | 24 Mar 2025 13:00 | 1 |
| HS25031035-13 | MW-49 | 20 Mar 2025 09:10 | | | 24 Mar 2025 13:00 | 1 |
| HS25031035-14 | MW-50 | 20 Mar 2025 11:25 | | | 24 Mar 2025 13:00 | 1 |
| HS25031035-15 | FIELD BLANK | 20 Mar 2025 09:05 | | | 24 Mar 2025 13:00 | 1 |
| HS25031035-16 | FIELD DUPLICATE | 20 Mar 2025 09:30 | | | 24 Mar 2025 13:00 | 1 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R509640 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25031035-01 | MW-01 | 20 Mar 2025 09:35 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-02 | MW-02 | 20 Mar 2025 08:55 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-03 | MW-17 | 20 Mar 2025 10:15 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-04 | MW-18 | 20 Mar 2025 11:05 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-05 | MW-19 | 20 Mar 2025 08:55 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-06 | MW-20 | 20 Mar 2025 09:40 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-07 | MW-21 | 20 Mar 2025 10:15 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-08 | MW-22 | 20 Mar 2025 10:55 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-09 | MW-27R | 20 Mar 2025 08:25 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-10 | MW-28R | 20 Mar 2025 09:25 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-11 | MW-47 | 20 Mar 2025 12:05 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-12 | MW-48 | 20 Mar 2025 09:55 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-13 | MW-49 | 20 Mar 2025 09:10 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-14 | MW-50 | 20 Mar 2025 11:25 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-15 | FIELD BLANK | 20 Mar 2025 09:05 | | | 26 Mar 2025 14:49 | 1 |
| HS25031035-16 | FIELD DUPLICATE | 20 Mar 2025 09:30 | | | 26 Mar 2025 14:49 | 1 |
| **Batch ID:** R509684 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25031035-01 | MW-01 | 20 Mar 2025 09:35 | | | 26 Mar 2025 15:35 | 1 |
| HS25031035-01 | MW-01 | 20 Mar 2025 09:35 | | | 26 Mar 2025 12:56 | 10 |
| HS25031035-02 | MW-02 | 20 Mar 2025 08:55 | | | 26 Mar 2025 13:02 | 20 |
| HS25031035-03 | MW-17 | 20 Mar 2025 10:15 | | | 26 Mar 2025 13:20 | 1 |
| HS25031035-04 | MW-18 | 20 Mar 2025 11:05 | | | 26 Mar 2025 13:26 | 1 |
| HS25031035-05 | MW-19 | 20 Mar 2025 08:55 | | | 26 Mar 2025 13:31 | 1 |
| HS25031035-06 | MW-20 | 20 Mar 2025 09:40 | | | 26 Mar 2025 14:13 | 1 |
| HS25031035-07 | MW-21 | 20 Mar 2025 10:15 | | | 26 Mar 2025 15:41 | 5 |
| HS25031035-07 | MW-21 | 20 Mar 2025 10:15 | | | 26 Mar 2025 14:18 | 1 |
| HS25031035-08 | MW-22 | 20 Mar 2025 10:55 | | | 26 Mar 2025 15:46 | 5 |
| HS25031035-08 | MW-22 | 20 Mar 2025 10:55 | | | 26 Mar 2025 14:24 | 1 |
| HS25031035-09 | MW-27R | 20 Mar 2025 08:25 | | | 26 Mar 2025 14:30 | 50 |
| HS25031035-10 | MW-28R | 20 Mar 2025 09:25 | | | 26 Mar 2025 14:36 | 50 |
| HS25031035-11 | MW-47 | 20 Mar 2025 12:05 | | | 26 Mar 2025 14:42 | 5 |
| HS25031035-12 | MW-48 | 20 Mar 2025 09:55 | | | 26 Mar 2025 14:48 | 10 |
| HS25031035-13 | MW-49 | 20 Mar 2025 09:10 | | | 26 Mar 2025 14:54 | 10 |
| HS25031035-14 | MW-50 | 20 Mar 2025 11:25 | | | 26 Mar 2025 15:17 | 20 |
| HS25031035-15 | FIELD BLANK | 20 Mar 2025 09:05 | | | 26 Mar 2025 15:23 | 1 |
| HS25031035-16 | FIELD DUPLICATE | 20 Mar 2025 09:30 | | | 26 Mar 2025 15:29 | 1 |

WorkOrder: HS25031035
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0125 | 0.00692 | 0.0110 | 0.0200 |
| A | Calcium | 7440-70-2 | 0.100 | 0.109 | 0.0340 | 0.500 |
| A | Sodium | 7440-23-5 | 0.0500 | 0.0288 | 0.0140 | 0.200 |

WorkOrder: HS25031035
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25031035
InstrumentID: ICS-Integrion
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Chloride | 16887-00-6 | 0.250 | 0.284 | 0.200 | 0.500 |
| A | Sulfate | 14808-79-8 | 0.250 | 0.324 | 0.200 | 0.500 |

WorkOrder: HS25031035
InstrumentID: Balance1
Test Code: TDS_W 2540C
Test Number: M2540C
Test Name: Total Dissolved Solids by SM2540C

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Total Dissolved Solids (Residue, Filterable) | TDS | 5.00 | 1.60 | 3.00 | 10.0 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID: 225731 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-225731** Units: **mg/L** Analysis Date: **26-Mar-2025 19:10**
Client ID: Run ID: **ICPMS06_509609** SeqNo: **8747903** PrepDate: **24-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0110 | 0.0200 | | | | | | | | |
| Calcium | < 0.0340 | 0.500 | | | | | | | | |
| Sodium | 0.02374 | 0.200 | | | | | | | | J |

**LCS** Sample ID: **LCS-225731** Units: **mg/L** Analysis Date: **26-Mar-2025 19:12**
Client ID: Run ID: **ICPMS06_509609** SeqNo: **8747904** PrepDate: **24-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4648 | 0.0200 | 0.5 | 0 | 93.0 | 80 - 120 | | | | |
| Calcium | 4.803 | 0.500 | 5 | 0 | 96.1 | 80 - 120 | | | | |
| Sodium | 4.814 | 0.200 | 5 | 0 | 96.3 | 80 - 120 | | | | |

**MS** Sample ID: **HS25031035-02MS** Units: **mg/L** Analysis Date: **26-Mar-2025 19:22**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8747908** PrepDate: **24-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.327 | 0.0200 | 0.5 | 0.8221 | 101 | 80 - 120 | | | | E |
| Calcium | 183.8 | 0.500 | 5 | 176.8 | 140 | 80 - 120 | | | | SEO |
| Sodium | 83.43 | 0.200 | 5 | 76.45 | 140 | 80 - 120 | | | | SO |

**MSD** Sample ID: **HS25031035-02MSD** Units: **mg/L** Analysis Date: **26-Mar-2025 19:24**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8747909** PrepDate: **24-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.273 | 0.0200 | 0.5 | 0.8221 | 90.2 | 80 - 120 | 1.327 | 4.18 | 20 | E |
| Calcium | 180.4 | 0.500 | 5 | 176.8 | 72.8 | 80 - 120 | 183.8 | 1.84 | 20 | SEO |
| Sodium | 81.54 | 0.200 | 5 | 76.45 | 102 | 80 - 120 | 83.43 | 2.28 | 20 | O |

**PDS** Sample ID: **HS25031035-02PDS** Units: **mg/L** Analysis Date: **26-Mar-2025 20:39**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8748436** PrepDate: **24-Mar-2025** DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 5.374 | 0.200 | 5 | 0.8091 | 91.3 | 75 - 125 | | | | |
| Calcium | 271.1 | 5.00 | 100 | 184.3 | 86.9 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID: 225731 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25031035-02PDS** Units: **mg/L** Analysis Date: **26-Mar-2025 19:26**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8747910** PrepDate: **24-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 84.42 | 0.200 | 10 | 76.45 | 79.7 | 75 - 125 | | | | O |

**SD** Sample ID: **HS25031035-02SD** Units: **mg/L** Analysis Date: **26-Mar-2025 20:37**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8748435** PrepDate: **24-Mar-2025** DF: **50**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.9177 | 1.00 | | | | | 0.8091 | 0 | 10 | J |
| Calcium | 183.2 | 25.0 | | | | | 184.3 | 0.582 | 10 | |

**SD** Sample ID: **HS25031035-02SD** Units: **mg/L** Analysis Date: **26-Mar-2025 19:14**
Client ID: **MW-02** Run ID: **ICPMS06_509609** SeqNo: **8747905** PrepDate: **24-Mar-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 79.56 | 1.00 | | | | | 76.45 | 4.07 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25031035-01 | HS25031035-02 | HS25031035-03 | HS25031035-04 |
| HS25031035-05 | HS25031035-06 | HS25031035-07 | HS25031035-08 |
| HS25031035-09 | HS25031035-10 | HS25031035-11 | HS25031035-12 |
| HS25031035-13 | HS25031035-14 | HS25031035-15 | HS25031035-16 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID: R509413 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-03242025** Units: **mg/L** Analysis Date: **24-Mar-2025 09:00**
Client ID: Run ID: **Balance1_509413** SeqNo: **8742154** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-03242025** Units: **mg/L** Analysis Date: **24-Mar-2025 09:00**
Client ID: Run ID: **Balance1_509413** SeqNo: **8742153** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 952.2 | 10.0 | 1000 | 0 | 95.2 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25031035-02 DUP** Units: **mg/L** Analysis Date: **24-Mar-2025 09:00**
Client ID: **MW-02** Run ID: **Balance1_509413** SeqNo: **8742144** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1384 | 10.0 | | | | | 1308 | 5.65 | 20 | |

**DUP** Sample ID: **HS25030948-01 DUP** Units: **mg/L** Analysis Date: **24-Mar-2025 09:00**
Client ID: Run ID: **Balance1_509413** SeqNo: **8742133** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 2470 | 10.0 | | | | | 2420 | 2.04 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25031035-01 | HS25031035-02 | HS25031035-03 | HS25031035-04 |
| HS25031035-05 | HS25031035-06 | HS25031035-07 | HS25031035-08 |
| HS25031035-09 | HS25031035-10 | | |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID: R509454 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-03242025** Units: **mg/L** Analysis Date: **24-Mar-2025 13:00**
Client ID: Run ID: **Balance1_509454** SeqNo: **8743270** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-03242025** Units: **mg/L** Analysis Date: **24-Mar-2025 13:00**
Client ID: Run ID: **Balance1_509454** SeqNo: **8743269** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 958 | 10.0 | 1000 | 0 | 95.8 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25031040-02DUP** Units: **mg/L** Analysis Date: **24-Mar-2025 13:00**
Client ID: Run ID: **Balance1_509454** SeqNo: **8743261** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 22320 | 10.0 | | | | | 21060 | 5.81 | 20 | |

**DUP** Sample ID: **HS25031035-11DUP** Units: **mg/L** Analysis Date: **24-Mar-2025 13:00**
Client ID: **MW-47** Run ID: **Balance1_509454** SeqNo: **8743254** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 816 | 10.0 | | | | | 828 | 1.46 | 20 | |

**The following samples were analyzed in this batch:** HS25031035-11 HS25031035-12 HS25031035-13 HS25031035-14 HS25031035-15 HS25031035-16

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID: R509684 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **26-Mar-2025 14:01**
Client ID: Run ID: **ICS-Integrion_509684** SeqNo: **8748385** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **26-Mar-2025 14:07**
Client ID: Run ID: **ICS-Integrion_509684** SeqNo: **8748386** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 19.58 | 0.500 | 20 | 0 | 97.9 | 90 - 110 | | | | |
| Sulfate | 20 | 0.500 | 20 | 0 | 100 | 90 - 110 | | | | |

**MS** Sample ID: **HS25031035-08MS** Units: **mg/L** Analysis Date: **26-Mar-2025 15:52**
Client ID: **MW-22** Run ID: **ICS-Integrion_509684** SeqNo: **8748403** PrepDate: DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 75.06 | 2.50 | 50 | 27.96 | 94.2 | 80 - 120 | | | | |
| Sulfate | 208.9 | 2.50 | 50 | 167.7 | 82.4 | 80 - 120 | | | | |

**MS** Sample ID: **HS25031035-02MS** Units: **mg/L** Analysis Date: **26-Mar-2025 13:08**
Client ID: **MW-02** Run ID: **ICS-Integrion_509684** SeqNo: **8748378** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 465.1 | 10.0 | 200 | 257.7 | 104 | 80 - 120 | | | | |
| Sulfate | 1063 | 10.0 | 200 | 873.1 | 94.8 | 80 - 120 | | | | O |

**MSD** Sample ID: **HS25031035-08MSD** Units: **mg/L** Analysis Date: **26-Mar-2025 15:58**
Client ID: **MW-22** Run ID: **ICS-Integrion_509684** SeqNo: **8748404** PrepDate: DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 74.89 | 2.50 | 50 | 27.96 | 93.9 | 80 - 120 | 75.06 | 0.213 | 20 | |
| Sulfate | 208.3 | 2.50 | 50 | 167.7 | 81.2 | 80 - 120 | 208.9 | 0.29 | 20 | |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** HS25031035

**QC BATCH REPORT**

**Batch ID:** **R509684 ( 0 )** **Instrument:** **ICS-Integrion** **Method:** **ANIONS BY E300.0, REV 2.1, 1993**

**MSD** Sample ID: **HS25031035-02MSD** Units: **mg/L** Analysis Date: **26-Mar-2025 13:14**
Client ID: **MW-02** Run ID: **ICS-Integrion_509684** SeqNo: **8748379** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 464.4 | 10.0 | 200 | 257.7 | 103 | 80 - 120 | 465.1 | 0.151 | 20 | |
| Sulfate | 1058 | 10.0 | 200 | 873.1 | 92.5 | 80 - 120 | 1063 | 0.433 | 20 | O |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25031035-01 | HS25031035-02 | HS25031035-03 | HS25031035-04 |
| HS25031035-05 | HS25031035-06 | HS25031035-07 | HS25031035-08 |
| HS25031035-09 | HS25031035-10 | HS25031035-11 | HS25031035-12 |
| HS25031035-13 | HS25031035-14 | HS25031035-15 | HS25031035-16 |

**Client:** TRC
**Project:** NRG Limestone- Appendix III
**WorkOrder:** **HS25031035**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2025 |
| California | 2919; 2025 | 30-Apr-2025 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-38 | 30-Jun-2025 |
| Illinois | 2000322023-11 | 31-Jul-2025 |
| Kansas | E-10352 2023-2024 | 31-Jul-2025 |
| Kentucky | 123043 | 30-Apr-2025 |
| Louisiana | 03087 2023-2024 | 30-Jun-2025 |
| Maine | 2024017 | 23-Jun-2026 |
| Michigan | 9971 | 30-Apr-2025 |
| Nebraska | NE-OS-25-13 | 30-Apr-2025 |
| New Jersey | TX008 | 30-Jun-2025 |
| Pennsylvania | 018 | 30-Jun-2025 |
| Tennessee | 04016 | 30-Apr-2025 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2025 |
| Utah | TX026932023-14 | 31-Jul-2025 |

## Sample Receipt Checklist

**Work Order ID:** HS25031035 **Date/Time Received:** **20-Mar-2025 16:05**

**Client Name:** TRC-HOU **Received by:** **Paresh M. Giga**

**Completed By:** */S/ Ruben Estrada-Jr* 22-Mar-2025 16:03 **Reviewed by:** _____ _____

eSignature Date/Time eSignature Date/Time

Matrices: **WATER** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | Not Present ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 2 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:328464/328463 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |

| | | |
|---|---|---|
| Temperature(s)/Thermometer(s): | 1.1c/1.5c/1.2c | IR36 |
| Cooler(s)/Kit(s): | 51953/52451/53165 | |
| Date/Time sample(s) sent to storage: | 3/22/25 15:00 | |

| | | | |
|---|---|---|---|
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☐ | N/A ☑ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 1 of 2

COC ID: 328464

**HS25031035** WV

TRC

NRG Limestone- Appendix III

ALS Project Manager:

| Customer Information | | Project Information | | |
|---|---|---|---|---|
| Purchase Order | | Project Name | | A |
| Work Order | | Project Number | | B |
| Company Name | | Bill To Company | | C |
| Send Report To | | Invoice Attn | | D |
| Address | | Address | | E |
| | | | | F |
| City/State/Zip | | City/State/Zip | | G |
| Phone | | Phone | | H |
| Fax | | Fax | | I |
| e-Mail Address | | e-Mail Address | | J |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3-20-25 | 935 | | | | | | | | | | | | | | |
| 2 | | | 855 | | | | | | | | | | | | | | |
| 3 | | | 1015 | | | | | | | | | | | | | | |
| 4 | | | 1105 | | | | | | | | | | | | | | |
| 5 | | | 855 | | | | | | | | | | | | | | |
| 6 | | | 940 | | | | | | | | | | | | | | |
| 7 | | | 1015 | | | | | | | | | | | | | | |
| 8 | | | 1055 | | | | | | | | | | | | | | |
| 9 | | | 835 | | | | | | | | | | | | | | |
| 10 | | | 925 | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Megan Bond + HMT Team

Shipment Method: Dropoff at lab

Required Turnaround Time: (Check Box) ☐ ☒ ☐ ☐

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Caleb Morris | 3.20.25 | 1605 | |
| Relinquished by: | Date: | Time: | Received by Laboratory: 3/20/25 16:05 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes:

| Cooler ID | Cooler Temp. |
|---|---|
| 51953 | 1.1° |
| 53451 | 1.5° |
| 53165 | 1.2° |

QC Package: (Check One Box Below)

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

+36 of 36

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 2 of 2

COC ID: 328463

**HS25031035**

WV

TRC

NRG Limestone- Appendix III

ALS Project Manager:

| Customer Information | | Project Information | | |
|---|---|---|---|---|
| Purchase Order | | Project Name | | A |
| Work Order | | Project Number | | B |
| Company Name | | Bill To Company | | C |
| Send Report To | | Invoice Attn | | D |
| Address | | Address | | E |
| | | | | F |
| City/State/Zip | | City/State/Zip | | G |
| Phone | | Phone | | H |
| Fax | | Fax | | I |
| e-Mail Address | | e-Mail Address | | J |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3-2025 | 1205 | | | | | | | | | | | | | | |
| 2 | | | 955 | | | | | | | | | | | | | | |
| 3 | | | 910 | | | | | | | | | | | | | | |
| 4 | MW-02 | | 1125 | | | | | | | | | | | | | | |
| 5 | ~~MW-02~~ | | ~~955~~ BSS MSD | | | | | | | | | | | | | | |
| 6 | | | ~~905~~ BSS MSD | | | | | | | | | | | | | | |
| 7 | | | 905 | | | | | | | | | | | | | | |
| 8 | | | 930 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Mason Bird + Hunt Team

Shipment Method: Drop off at lab

Required Turnaround Time: (Check Box) ☐ ☒ ☐ ☐

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Caleb Morgan's colleagues | 3-20-25 | 1605 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): 3/20/25 1605 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes:

| Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) |
|---|---|---|
| | | |
| | | |
| | | |

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

26-Mar-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25031035** Work Order: **25030200**

Dear Andrew,

ALS Environmental received 16 samples on 25-Mar-2025 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25031035 |
| **Work Order:** | 25030200 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC Chapter 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

**Client:** ALS Environmental
**Project:** HS25031035
**Work Order:** **25030200**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25030200-01 | MW-01 | Water | HS250301035-01 | 3/20/2025 09:35 | 3/25/2025 09:00 | ☐ |
| 25030200-02 | MW-02 | Water | HS250301035-02 | 3/20/2025 08:55 | 3/25/2025 09:00 | ☐ |
| 25030200-03 | MW-17 | Water | HS250301035-03 | 3/20/2025 10:15 | 3/25/2025 09:00 | ☐ |
| 25030200-04 | MW-18 | Water | HS250301035-04 | 3/20/2025 11:05 | 3/25/2025 09:00 | ☐ |
| 25030200-05 | MW-19 | Water | HS250301035-05 | 3/20/2025 08:55 | 3/25/2025 09:00 | ☐ |
| 25030200-06 | MW-20 | Water | HS250301035-06 | 3/20/2025 09:40 | 3/25/2025 09:00 | ☐ |
| 25030200-07 | MW-21 | Water | HS250301035-07 | 3/20/2025 10:15 | 3/25/2025 09:00 | ☐ |
| 25030200-08 | MW-22 | Water | HS250301035-08 | 3/20/2025 10:55 | 3/25/2025 09:00 | ☐ |
| 25030200-09 | MW-27R | Water | HS250301035-09 | 3/20/2025 08:25 | 3/25/2025 09:00 | ☐ |
| 25030200-10 | MW-28R | Water | HS250301035-10 | 3/20/2025 09:25 | 3/25/2025 09:00 | ☐ |
| 25030200-11 | MW-47 | Water | HS250301035-11 | 3/20/2025 12:05 | 3/25/2025 09:00 | ☐ |
| 25030200-12 | MW-48 | Water | HS250301035-12 | 3/20/2025 09:55 | 3/25/2025 09:00 | ☐ |
| 25030200-13 | MW-49 | Water | HS250301035-13 | 3/20/2025 09:10 | 3/25/2025 09:00 | ☐ |
| 25030200-14 | MW-50 | Water | HS250301035-14 | 3/20/2025 11:25 | 3/25/2025 09:00 | ☐ |
| 25030200-15 | FIELD BLANK | Water | HS250301035-15 | 3/20/2025 09:05 | 3/25/2025 09:00 | ☐ |
| 25030200-16 | FIELD DUPLICATE | Water | HS250301035-16 | 3/20/2025 09:30 | 3/25/2025 09:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25031035
**WorkOrder:** **25030200**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25031035
**Work Order:** 25030200

# Case Narrative

Samples for the above noted Work Order were received on 03/25/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25030200
**Client:** ALS Environmental
**Project:** HS25031035

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R419022 **Test Name:** Fluoride | | | | | | |
| 25030200-01 | MW-01 | Water | 3/20/2025 9:35:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-02 | MW-02 | | 3/20/2025 8:55:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-03 | MW-17 | | 3/20/2025 10:15:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-04 | MW-18 | | 3/20/2025 11:05:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-05 | MW-19 | | 3/20/2025 8:55:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-06 | MW-20 | | 3/20/2025 9:40:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-07 | MW-21 | | 3/20/2025 10:15:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-08 | MW-22 | | 3/20/2025 10:55:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-09 | MW-27R | | 3/20/2025 8:25:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-10 | MW-28R | | 3/20/2025 9:25:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-11 | MW-47 | | 3/20/2025 12:05:00 PM | | | 3/25/2025 02:30 PM |
| 25030200-12 | MW-48 | | 3/20/2025 9:55:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-13 | MW-49 | | 3/20/2025 9:10:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-14 | MW-50 | | 3/20/2025 11:25:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-15 | FIELD BLANK | | 3/20/2025 9:05:00 AM | | | 3/25/2025 02:30 PM |
| 25030200-16 | FIELD DUPLICATE | | 3/20/2025 9:30:00 AM | | | 3/25/2025 02:30 PM |

# ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-01
**Collection Date:** 3/20/2025 09:35 AM

**Work Order:** 25030200
**Lab ID:** 25030200-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0800** | J | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-02
**Collection Date:** 3/20/2025 08:55 AM

**Work Order:** 25030200
**Lab ID:** 25030200-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-17
**Collection Date:** 3/20/2025 10:15 AM

**Work Order:** 25030200
**Lab ID:** 25030200-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.180** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-18
**Collection Date:** 3/20/2025 11:05 AM

**Work Order:** 25030200
**Lab ID:** 25030200-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.130** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-19
**Collection Date:** 3/20/2025 08:55 AM

**Work Order:** 25030200
**Lab ID:** 25030200-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0600** | J | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-20
**Collection Date:** 3/20/2025 09:40 AM

**Work Order:** 25030200
**Lab ID:** 25030200-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.260** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-21
**Collection Date:** 3/20/2025 10:15 AM

**Work Order:** 25030200
**Lab ID:** 25030200-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-22
**Collection Date:** 3/20/2025 10:55 AM

**Work Order:** 25030200
**Lab ID:** 25030200-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-27R
**Collection Date:** 3/20/2025 08:25 AM

**Work Order:** 25030200
**Lab ID:** 25030200-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-28R
**Collection Date:** 3/20/2025 09:25 AM

**Work Order:** 25030200
**Lab ID:** 25030200-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.270** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-47
**Collection Date:** 3/20/2025 12:05 PM

**Work Order:** 25030200
**Lab ID:** 25030200-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.360** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-48
**Collection Date:** 3/20/2025 09:55 AM

**Work Order:** 25030200
**Lab ID:** 25030200-12
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.200** | | **0.058** | **0.10** | **mg/L** | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-49
**Collection Date:** 3/20/2025 09:10 AM

**Work Order:** 25030200
**Lab ID:** 25030200-13
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** MW-50
**Collection Date:** 3/20/2025 11:25 AM

**Work Order:** 25030200
**Lab ID:** 25030200-14
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** FIELD BLANK
**Collection Date:** 3/20/2025 09:05 AM

**Work Order:** 25030200
**Lab ID:** 25030200-15
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *26-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031035
**Sample ID:** FIELD DUPLICATE
**Collection Date:** 3/20/2025 09:30 AM

**Work Order:** 25030200
**Lab ID:** 25030200-16
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/25/2025 14:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** 26-Mar-25

# METHOD DETECTION / REPORTING LIMITS

**WorkOrder:** 25030200
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride **Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

ALS Group, USA

Date: 26-Mar-25

**Client:** ALS Environmental

**Work Order:** 25030200

**Project:** HS25031035

# QC BATCH REPORT

Batch ID: **R419022** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R419022-R419022** Units: **mg/L** Analysis Date: **3/25/2025 02:30 PM**

Client ID: Run ID: **TITRATOR 1_250325A** SeqNo: **11429073** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R419022-R419022** Units: **mg/L** Analysis Date: **3/25/2025 02:30 PM**

Client ID: Run ID: **TITRATOR 1_250325A** SeqNo: **11429074** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0 | 105 | 90-111 | 0 | | | |

**MS** Sample ID: **25030200-02A MS** Units: **mg/L** Analysis Date: **3/25/2025 02:30 PM**

Client ID: **MW-02** Run ID: **TITRATOR 1_250325A** SeqNo: **11429077** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.09 | 0.058 | 0.10 | 5 | 0.05 | 101 | 90-111 | 0 | | | |

**MSD** Sample ID: **25030200-02A MSD** Units: **mg/L** Analysis Date: **3/25/2025 02:30 PM**

Client ID: **MW-02** Run ID: **TITRATOR 1_250325A** SeqNo: **11429078** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.07 | 0.058 | 0.10 | 5 | 0.05 | 100 | 90-111 | 5.09 | 0.394 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25030200-01A | 25030200-02A | 25030200-03A |
| 25030200-04A | 25030200-05A | 25030200-06A |
| 25030200-07A | 25030200-08A | 25030200-09A |
| 25030200-10A | 25030200-11A | 25030200-12A |
| 25030200-13A | 25030200-14A | 25030200-15A |
| 25030200-16A | | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

# 25030200

ALS - HOUSTON: ALS Environmental
Project: HS25031036

# Subcontract

**SAMPLING STATE:** **Texas**

[redacted]
Telephone : +1 616 399 6070

**COC ID:** **28346**

**SUBCONTRACT TO:**

ALS Laboratory Group
3352 128th Ave.
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25031035 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| **1.** | **HS25031035-01** | **MW-01** | **Water** | **20 Mar 2025 09:35** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **2.** | **HS25031035-02** | **MW-02** | **Water** | **20 Mar 2025 08:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **3.** | **HS25031035-03** | **MW-17** | **Water** | **20 Mar 2025 10:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **4.** | **HS25031035-04** | **MW-18** | **Water** | **20 Mar 2025 11:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **5.** | **HS25031035-05** | **MW-19** | **Water** | **20 Mar 2025 08:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **6.** | **HS25031035-06** | **MW-20** | **Water** | **20 Mar 2025 09:40** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **7.** | **HS25031035-07** | **MW-21** | **Water** | **20 Mar 2025 10:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **8.** | **HS25031035-08** | **MW-22** | **Water** | **20 Mar 2025 10:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **9.** | **HS25031035-09** | **MW-27R** | **Water** | **20 Mar 2025 08:25** |

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas**

**COC ID:** **28346**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **10.** | **HS25031035-10** | **MW-28R** | **Water** | **20 Mar 2025 09:25** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **11.** | **HS25031035-11** | **MW-47** | **Water** | **20 Mar 2025 12:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **12.** | **HS25031035-12** | **MW-48** | **Water** | **20 Mar 2025 09:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **13.** | **HS25031035-13** | **MW-49** | **Water** | **20 Mar 2025 09:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **14.** | **HS25031035-14** | **MW-50** | **Water** | **20 Mar 2025 11:25** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **15.** | **HS25031035-15** | **FIELD BLANK** | **Water** | **20 Mar 2025 09:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **16.** | **HS25031035-16** | **FIELD DUPLICATE** | **Water** | **20 Mar 2025 09:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: _____ Date/Time: 3/24/25 1800.

Received By: _____ Date/Time: 3-25-25 900

Cooler ID(s): _____ Temperature(s): 1.9 IR6

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **25-Mar-25 09:00**

Work Order: **25030200** Received by: **JD**

Checklist completed by Jason Delinger 25-Mar-25 Reviewed by: Chelsey Cook 26-Mar-25
eSignature Date eSignature Date

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☐ | No ☑ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 1.9/1.9 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 3/25/2025 2:36:15 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

April 30, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25041311**

Laboratory Results for: **NRG Limestone Apendix III - Resa**

Dear Lori Burris,

ALS Environmental received 5 sample(s) on Apr 24, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: JUMOKE.LAWAL**
Andy C. Neir

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone Apendix III - Resa | |
| **WorkOrder:** | **HS25041311** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | |
|---|---|
| **Client:** | TRC |
| **Project:** | NRG Limestone Apendix III - Resa |
| **WorkOrder:** | **HS25041311** |

**TRRP Laboratory Data Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 04/30/2025 | | | | | |
| Project Name: NRG Limestone Apendix III - Resa | | | Laboratory Job Number: HS25041311 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227290,R511872,R512079,R512137 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 1 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 04/30/2025 | | | | |
| Project Name: NRG Limestone Apendix III - Resa | | | Laboratory Job Number: HS25041311 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227290,R511872,R512079,R512137 | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 2 |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 04/30/2025 |
| Project Name: NRG Limestone Apendix III - Resa | Laboratory Job Number: HS25041311 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 227290,R511872,R512079,R512137 |

| ER#[5] | Description |
|---|---|
| 1 | The analysis for Fluoride was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report |
| 2 | See Run Log and CCB Exceptions Report. |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311
Start Date: 30-Apr-2025 End Date: 30-Apr-2025

Run ID:ICPMS07_512174
Instrument:ICPMS07
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| ICV | 1 | 30-Apr-2025 09:59 | 018_ICV.d | B CA |
| LLICV5 | 1 | 30-Apr-2025 10:01 | 019LCV5.d | B CA |
| LLICV2 | 1 | 30-Apr-2025 10:03 | 020LCV2.d | B CA |
| ICB | 1 | 30-Apr-2025 10:06 | 021_ICB.d | B CA |
| ICSA | 1 | 30-Apr-2025 10:08 | 022ICSA.d | B CA |
| ICSAB | 1 | 30-Apr-2025 10:11 | 023ICSB.d | B CA |
| CCV 1 | 1 | 30-Apr-2025 10:20 | 026_CCV.d | B CA |
| CCB 1 | 1 | 30-Apr-2025 10:23 | 027_CCB.d | B CA |
| CCV 2 | 1 | 30-Apr-2025 10:49 | 038_CCV.d | B CA |
| CCB 2 | 1 | 30-Apr-2025 10:51 | 039_CCB.d | B CA |
| CCV 3 | 1 | 30-Apr-2025 11:17 | 050_CCV.d | B CA |
| CCB 3 | 1 | 30-Apr-2025 11:19 | 051_CCB.d | B CA |
| CCV 4 | 1 | 30-Apr-2025 11:45 | 062_CCV.d | B CA |
| CCB 4 | 1 | 30-Apr-2025 11:47 | 063_CCB.d | B CA |
| CCV 5 | 1 | 30-Apr-2025 12:12 | 073_CCV.d | B CA |
| CCB 5 | 1 | 30-Apr-2025 12:14 | 074_CCB.d | B CA |
| MBLK-227290 | 1 | 30-Apr-2025 12:25 | 078SMPL.d | B CA |
| LCS-227290 | 1 | 30-Apr-2025 12:27 | 079SMPL.d | B CA |
| ZZZZZZSD | 5 | 30-Apr-2025 12:29 | 080SMPL.d | CA |
| CCV 6 | 1 | 30-Apr-2025 12:41 | 085_CCV.d | B CA |
| CCB 6 | 1 | 30-Apr-2025 12:44 | 086_CCB.d | B CA |
| CCB 7 | 1 | 30-Apr-2025 12:48 | 088_CCB.d | B CA |
| ZZZZZZMS | 1 | 30-Apr-2025 12:53 | 090SMPL.d | B CA |
| ZZZZZZMSD | 1 | 30-Apr-2025 12:55 | 091SMPL.d | B CA |
| ZZZZZZPDS | 1 | 30-Apr-2025 12:58 | 092SMPL.d | CA |
| MW-02 | 5 | 30-Apr-2025 13:02 | 094SMPL.d | B CA |
| MW-21 | 5 | 30-Apr-2025 13:08 | 096SMPL.d | B CA |
| MW-50 | 5 | 30-Apr-2025 13:10 | 097SMPL.d | B CA |
| CCV 7 | 1 | 30-Apr-2025 13:15 | 099_CCV.d | B CA |
| CCB 8 | 1 | 30-Apr-2025 13:17 | 100_CCB.d | B CA |
| CCB 9 | 1 | 30-Apr-2025 13:22 | 102_CCB.d | B CA |
| CCB 10 | 1 | 30-Apr-2025 13:50 | 114_CCB.d | B CA |
| CCV 8 | 1 | 30-Apr-2025 13:54 | 115_CCV.d | B CA |
| CCV 9 | 1 | 30-Apr-2025 14:20 | 126_CCV.d | B CA |
| CCB 11 | 1 | 30-Apr-2025 14:23 | 127_CCB.d | B CA |
| ZZZZZZPDS | 1 | 30-Apr-2025 14:25 | 128SMPL.d | |
| CCV 10 | 1 | 30-Apr-2025 14:51 | 136_CCV.d | B CA |
| CCB 12 | 1 | 30-Apr-2025 14:53 | 137_CCB.d | B CA |
| CCV 11 | 1 | 30-Apr-2025 15:23 | 148_CCV.d | B CA |
| CCB 13 | 1 | 30-Apr-2025 15:25 | 149_CCB.d | B CA |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

Run ID:ICPMS07_512174
Instrument:ICPMS07
Method:SW6020A

| CCB 1 | Date: 30-Apr-2025 10:23 | Seq: 8806274 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 15.58 | 11 | 20 | |

| CCB 2 | Date: 30-Apr-2025 10:51 | Seq: 8806283 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 15.12 | 11 | 20 | |

| CCB 3 | Date: 30-Apr-2025 11:19 | Seq: 8806491 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 14.7 | 11 | 20 | |

| CCB 4 | Date: 30-Apr-2025 11:47 | Seq: 8806495 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 13.72 | 11 | 20 | |

| CCB 5 | Date: 30-Apr-2025 12:14 | Seq: 8806808 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 14.04 | 11 | 20 | |

| CCB 6 | Date: 30-Apr-2025 12:44 | Seq: 8806817 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 21.43 | 11 | 20 | |

| CCB 8 | Date: 30-Apr-2025 13:17 | Seq: 8806896 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 22.75 | 11 | 20 | |

| CCB 10 | Date: 30-Apr-2025 13:50 | Seq: 8807008 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 28.9 | 11 | 20 | |

| CCB 11 | Date: 30-Apr-2025 14:23 | Seq: 8807229 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 29.56 | 11 | 20 | |

| CCB 12 | Date: 30-Apr-2025 14:53 | Seq: 8807298 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 21.59 | 11 | 20 | |

| CCB 13 | Date: 30-Apr-2025 15:25 | Seq: 8807466 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 23.61 | 11 | 20 | |

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**Work Order:** HS25041311

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25041311-01 | MW-02 | Water | | 24-Apr-2025 08:35 | 24-Apr-2025 12:20 | ☐ |
| HS25041311-02 | MW-21 | Water | | 24-Apr-2025 09:05 | 24-Apr-2025 12:20 | ☐ |
| HS25041311-03 | MW-28R | Water | | 24-Apr-2025 09:10 | 24-Apr-2025 12:20 | ☐ |
| HS25041311-04 | MW-47 | Water | | 24-Apr-2025 07:55 | 24-Apr-2025 12:20 | ☐ |
| HS25041311-05 | MW-50 | Water | | 24-Apr-2025 08:30 | 24-Apr-2025 12:20 | ☐ |

Client: TRC
Project: NRG Limestone Apendix III - Resa
Sample ID: MW-02
Collection Date: 24-Apr-2025 08:35

**ANALYTICAL REPORT**
WorkOrder:HS25041311
Lab ID:HS25041311-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | **Method:SW6020A** | | | | Prep:SW3010A / 29-Apr-2025 | | Analyst: MSC |
| **Boron** | **0.776** | | **0.0550** | **0.100** | **mg/L** | 5 | 30-Apr-2025 13:02 |
| **Calcium** | **182** | | **0.170** | **2.50** | **mg/L** | 5 | 30-Apr-2025 13:02 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone Apendix III - Resa
Sample ID: MW-21
Collection Date: 24-Apr-2025 09:05

**ANALYTICAL REPORT**
WorkOrder:HS25041311
Lab ID:HS25041311-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 29-Apr-2025 | | Analyst: MSC |
| **Boron** | **0.823** | | **0.0550** | **0.100** | **mg/L** | 5 | 30-Apr-2025 13:08 |
| **Calcium** | **41.4** | | **0.170** | **2.50** | **mg/L** | 5 | 30-Apr-2025 13:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: TRC
Project: NRG Limestone Apendix III - Resa
Sample ID: MW-28R
Collection Date: 24-Apr-2025 09:10

**ANALYTICAL REPORT**
WorkOrder:HS25041311
Lab ID:HS25041311-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Sulfate** | **897** | | **4.00** | **10.0** | **mg/L** | 20 | 25-Apr-2025 16:24 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **6,960** | | **3.00** | **10.0** | **mg/L** | 1 | 29-Apr-2025 10:30 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 29-Apr-2025 12:43 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone Apendix III - Resa
Sample ID: MW-47
Collection Date: 24-Apr-2025 07:55

**ANALYTICAL REPORT**
WorkOrder:HS25041311
Lab ID:HS25041311-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 29-Apr-2025 12:43 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: TRC
Project: NRG Limestone Apendix III - Resa
Sample ID: MW-50
Collection Date: 24-Apr-2025 08:30

**ANALYTICAL REPORT**
WorkOrder:HS25041311
Lab ID:HS25041311-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 29-Apr-2025 | | Analyst: MSC |
| **Boron** | **0.913** | | **0.0550** | **0.100** | **mg/L** | 5 | 30-Apr-2025 13:10 |
| **Calcium** | **279** | | **0.170** | **2.50** | **mg/L** | 5 | 30-Apr-2025 13:10 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Sulfate** | **1,510** | | **4.00** | **10.0** | **mg/L** | 20 | 25-Apr-2025 16:30 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

**Batch ID:** 227290 **Start Date:** 29 Apr 2025 13:30 **End Date:** 29 Apr 2025 13:30
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25041311-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25041311-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25041311-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 227290 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25041311-01 | MW-02 | 24 Apr 2025 08:35 | | 29 Apr 2025 13:30 | 30 Apr 2025 13:02 | 5 |
| HS25041311-02 | MW-21 | 24 Apr 2025 09:05 | | 29 Apr 2025 13:30 | 30 Apr 2025 13:08 | 5 |
| HS25041311-05 | MW-50 | 24 Apr 2025 08:30 | | 29 Apr 2025 13:30 | 30 Apr 2025 13:10 | 5 |
| **Batch ID:** R511872 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25041311-03 | MW-28R | 24 Apr 2025 09:10 | | | 25 Apr 2025 16:24 | 20 |
| HS25041311-05 | MW-50 | 24 Apr 2025 08:30 | | | 25 Apr 2025 16:30 | 20 |
| **Batch ID:** R512079 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25041311-03 | MW-28R | 24 Apr 2025 09:10 | | | 29 Apr 2025 12:43 | 1 |
| HS25041311-04 | MW-47 | 24 Apr 2025 07:55 | | | 29 Apr 2025 12:43 | 1 |
| **Batch ID:** R512137 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25041311-03 | MW-28R | 24 Apr 2025 09:10 | | | 29 Apr 2025 10:30 | 1 |

WorkOrder: HS25041311
InstrumentID: ICPMS07
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0100 | 0.00627 | 0.0110 | 0.0200 |
| A | Calcium | 7440-70-2 | 0.250 | 0.0839 | 0.0340 | 0.500 |

WorkOrder: HS25041311
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25041311
InstrumentID: ICS-Integrion
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Sulfate | 14808-79-8 | 0.250 | 0.280 | 0.200 | 0.500 |

WorkOrder: HS25041311
InstrumentID: Balance1
Test Code: TDS_W 2540C
Test Number: M2540C
Test Name: Total Dissolved Solids by SM2540C

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Total Dissolved Solids (Residue, Filterable) | TDS | 5.00 | 4.00 | 3.00 | 10.0 |

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

**QC BATCH REPORT**

**Batch ID: 227290 ( 0 )** **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-227290** Units: **mg/L** Analysis Date: **30-Apr-2025 12:25**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806809** PrepDate: **29-Apr-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0110 | 0.0200 | | | | | | | | |
| Calcium | < 0.0340 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-227290** Units: **mg/L** Analysis Date: **30-Apr-2025 12:27**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806810** PrepDate: **29-Apr-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4924 | 0.0200 | 0.5 | 0 | 98.5 | 80 - 120 | | | | |
| Calcium | 4.527 | 0.500 | 5 | 0 | 90.5 | 80 - 120 | | | | |

**MS** Sample ID: **HS25041304-01MS** Units: **mg/L** Analysis Date: **30-Apr-2025 12:53**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806875** PrepDate: **29-Apr-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.668 | 0.0200 | 0.5 | 0.1644 | 101 | 80 - 120 | | | | |
| Calcium | 115.8 | 0.500 | 5 | 110.3 | 110 | 80 - 120 | | | | O |

**MSD** Sample ID: **HS25041304-01MSD** Units: **mg/L** Analysis Date: **30-Apr-2025 12:55**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806876** PrepDate: **29-Apr-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6598 | 0.0200 | 0.5 | 0.1644 | 99.1 | 80 - 120 | 0.668 | 1.24 | 20 | |
| Calcium | 115 | 0.500 | 5 | 110.3 | 93.9 | 80 - 120 | 115.8 | 0.71 | 20 | O |

**PDS** Sample ID: **HS25041304-01PDS** Units: **mg/L** Analysis Date: **30-Apr-2025 12:58**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806877** PrepDate: **29-Apr-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 119.9 | 0.500 | 10 | 110.3 | 96.0 | 75 - 125 | | | | O |

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

**QC BATCH REPORT**

**Batch ID: 227290 ( 0 )** **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25041304-01SD** Units: **mg/L** Analysis Date: **30-Apr-2025 12:29**
Client ID: Run ID: **ICPMS07_512174** SeqNo: **8806811** PrepDate: **29-Apr-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 112.3 | 2.50 | | | | | 110.3 | 1.78 | 10 | |

**The following samples were analyzed in this batch:** HS25041311-01 HS25041311-02 HS25041311-05

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

**QC BATCH REPORT**

**Batch ID: R511872 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **25-Apr-2025 11:37**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799606** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **25-Apr-2025 11:49**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799607** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 19.86 | 0.500 | 20 | 0 | 99.3 | 90 - 110 | | | | |

**MS** Sample ID: **HS25041265-06MS** Units: **mg/L** Analysis Date: **25-Apr-2025 16:01**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799643** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 811.8 | 10.0 | 200 | 649.3 | 81.2 | 80 - 120 | | | | |

**MS** Sample ID: **HS25041265-01MS** Units: **mg/L** Analysis Date: **25-Apr-2025 14:39**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799631** PrepDate: DF: **40**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 1887 | 20.0 | 400 | 1564 | 80.7 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25041265-06MSD** Units: **mg/L** Analysis Date: **25-Apr-2025 16:06**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799644** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 817.2 | 10.0 | 200 | 649.3 | 84.0 | 80 - 120 | 811.8 | 0.675 | 20 | |

**MSD** Sample ID: **HS25041265-01MSD** Units: **mg/L** Analysis Date: **25-Apr-2025 14:45**
Client ID: Run ID: **ICS-Integrion_511872** SeqNo: **8799632** PrepDate: DF: **40**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 1896 | 20.0 | 400 | 1564 | 83.1 | 80 - 120 | 1887 | 0.513 | 20 | |

**The following samples were analyzed in this batch:** HS25041311-03 HS25041311-05

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** HS25041311

**QC BATCH REPORT**

**Batch ID: R512137 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-04292025** Units: **mg/L** Analysis Date: **29-Apr-2025 10:30**
Client ID: Run ID: **Balance1_512137** SeqNo: **8804967** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-04292025** Units: **mg/L** Analysis Date: **29-Apr-2025 10:30**
Client ID: Run ID: **Balance1_512137** SeqNo: **8804966** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1018 | 10.0 | 1000 | 0 | 102 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25041372-04DUP** Units: **mg/L** Analysis Date: **29-Apr-2025 10:30**
Client ID: Run ID: **Balance1_512137** SeqNo: **8804952** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 312 | 10.0 | | | | | 318 | 1.9 | 20 | |

**DUP** Sample ID: **HS25041311-03DUP** Units: **mg/L** Analysis Date: **29-Apr-2025 10:30**
Client ID: **MW-28R** Run ID: **Balance1_512137** SeqNo: **8804946** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 6940 | 10.0 | | | | | 6960 | 0.288 | 20 | |

**The following samples were analyzed in this batch:** HS25041311-03

**Client:** TRC
**Project:** NRG Limestone Apendix III - Resa
**WorkOrder:** **HS25041311**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-38 | 30-Jun-2025 |
| Illinois | 2000322023-11 | 31-Jul-2025 |
| Kansas | E-10352 2023-2024 | 31-Jul-2025 |
| Louisiana | 03087 2023-2024 | 30-Jun-2025 |
| Maine | 2024017 | 23-Jun-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008 | 30-Jun-2025 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oklahoma | 2023-140 | 31-Aug-2025 |
| Pennsylvania | 018 | 30-Jun-2025 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2026 |
| Utah | TX026932023-14 | 31-Jul-2025 |

## Sample Receipt Checklist

**Work Order ID:** HS25041311 **Date/Time Received:** **24-Apr-2025 12:20**

**Client Name:** TRC-HOU **Received by:** **Si Ma**

| **Completed By:** | /S/ Paresh M. Giga | 24-Apr-2025 15:48 | **Reviewed by:** | /S/ Caden.Lafontaine | 24-Apr-2025 16:34 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **Water** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 1 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:333420 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 3.6C U/C | IR36 | |
| Cooler(s)/Kit(s): | 53508 | | |
| Date/Time sample(s) sent to storage: | 4/24/25 16:05 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody For

Page 1 of 1

COC ID: 333420

**HS25041311**

TRC

NRG Limestone Apendix III - Resa

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 22697 | Project Name | NRG Limestone- Appendix III -Resa | A | ICP_TW (B (App III)) |
| Work Order | | Project Number | | B | 300_W (SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burns | Invoice Attn | AP | D | TDS_W 2540C (TDS) |
| Address | 14701 St Mary's Lane<br>Suite 500 | Address | 11757 Katy Freeway<br>Suite 240 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1030 | Phone | (713) 244-1050 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1080 | I | |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | spinvoiceapprovals@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-02 | 4-24-25 | 835 | Water | 6, 2 | 2 1 | X | | | | | | | | | | |
| 2 | MW-21 | | 905 | Water | 2 8 | 1 | X | | | | | | | | | | |
| 3 | MW-28R | | 910 | Water | 6 | 2 2 | | X | X | X | | | | | | | |
| 4 | MW-47 | | 755 | Water | 2 8 | 1 | | | X | | | | | | | | |
| 5 | MW-60 | ↓ | 830 | Water | 2 8 | 2 2 | X | X | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

**Sampler(s) Please Print & Sign**: Mason Boal + HMT Team

**Shipment Method**: Drop off

**Required Turnaround Time: (Check Box)**: ☐ Other ☐ STD (10 Bus. Days) ☒ 5 Bus. Days ☐ 2 Bus. Days ☐ 24 hrs

**Results Due Date:**

| Relinquished by: | Date: | Time: | Received by: | Notes: NRG Limestone/PRIVILEGED & CONFIDENTIAL |
|---|---|---|---|---|
| Caleb Morales | 4-24-25 | 1220 | | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | Cooler ID: 53508 — Cooler Temp.: 3.6 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

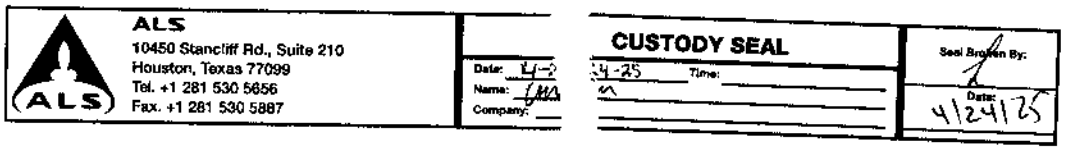
QC Package: (Check One Box Below) — ☒ Level IV SW846/CLP

**Preservative Key:** 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
Date:
Name:
Company:
CUSTODY SEAL
Time:
Seal Broken By:
Date:
4/24/25

29-Apr-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25041311** Work Order: **25040276**

Dear Andrew,

ALS Environmental received 2 samples on 25-Apr-2025 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 15.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25041311 |
| **Work Order:** | 25040276 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR1_250428B(F) | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25040276 | | |
| Analyst Name: KB | Date: 04/28/25 | Reviewer Name: RM | Date: 4/28/25 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**Client:** ALS Environmental
**Project:** HS25041311
**Work Order:** **25040276**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25040276-01 | HS25041311-03 | Water | | 4/24/2025 09:10 | 4/25/2025 09:30 | ☐ |
| 25040276-02 | HS25041311-04 | Water | | 4/24/2025 07:55 | 4/25/2025 09:30 | ☐ |

**Client:** ALS Environmental
**Project:** HS25041311
**WorkOrder:** **25040276**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25041311 |
| **Work Order:** | 25040276 |

## Case Narrative

Samples for the above noted Work Order were received on 04/25/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25040276
**Client:** ALS Environmental
**Project:** HS25041311

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R420040 **Test Name:** Fluoride | | | | | | |
| 25040276-01 ^ | HS25041311-03 | Water | 4/24/2025 9:10:00 AM | | | 4/28/2025 04:00 PM |
| 25040276-02 ^ | HS25041311-04 | | 4/24/2025 7:55:00 AM | | | 4/28/2025 04:00 PM |

# ALS Group, USA

**Date:** *29-Apr-25*

**Client:** ALS Environmental
**Project:** HS25041311
**Sample ID:** HS25041311-03
**Collection Date:** 4/24/2025 09:10 AM

**Work Order:** 25040276
**Lab ID:** 25040276-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.360** | | **0.058** | **0.10** | **mg/L** | 1 | 4/28/2025 16:00 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *29-Apr-25*

**Client:** ALS Environmental
**Project:** HS25041311
**Sample ID:** HS25041311-04
**Collection Date:** 4/24/2025 07:55 AM

**Work Order:** 25040276
**Lab ID:** 25040276-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.390** | | **0.058** | **0.10** | **mg/L** | 1 | 4/28/2025 16:00 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** 29-Apr-25

**WorkOrder:** 25040276
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# QC BATCH REPORT

Batch ID: **R420040** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R420040-R420040** Units: **mg/L** Analysis Date: **4/28/2025 04:00 PM**

Client ID: Run ID: **TITRATOR 1_250428B** SeqNo: **11466786** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R420040-R420040** Units: **mg/L** Analysis Date: **4/28/2025 04:00 PM**

Client ID: Run ID: **TITRATOR 1_250428B** SeqNo: **11466787** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.17 | 0.058 | 0.10 | 5 | 0 | 103 | 90-111 | 0 | | | |

**MS** Sample ID: **25040276-02A MS** Units: **mg/L** Analysis Date: **4/28/2025 04:00 PM**

Client ID: **HS25041311-04** Run ID: **TITRATOR 1_250428B** SeqNo: **11466790** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.05 | 0.058 | 0.10 | 5 | 0.39 | 93.2 | 90-111 | 0 | | | |

**MSD** Sample ID: **25040276-02A MSD** Units: **mg/L** Analysis Date: **4/28/2025 04:00 PM**

Client ID: **HS25041311-04** Run ID: **TITRATOR 1_250428B** SeqNo: **11466791** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.12 | 0.058 | 0.10 | 5 | 0.39 | 94.6 | 90-111 | 5.05 | 1.38 | 20 | |

**The following samples were analyzed in this batch:** 25040276-01A 25040276-02A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Environmental Division
Holland
Work Order Reference
HN2505394

25040276

ALS - HOUSTON: ALS Environmental
Project: 28537



10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
281 530 5887
sglobal.com

**Su**

**SAMPLING STATE:** T

**C ID: 28537**

**SUBCONTRACT TO:**

ALS Laboratory Group
3352 128th Ave.
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25041311 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25041311-03** | **MW-28R** | **Water** | **24 Apr 2025 09:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 01 May 2025 |
| 2. | **HS25041311-04** | **MW-47** | **Water** | **24 Apr 2025 07:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 01 May 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: 

Date/Time: 4/24/25 1800

Received By:

Date/Time: 4.25.25 930

Cooler ID(s):

Temperature(s): 1.9 DLG

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **25-Apr-25 09:30**

Work Order: **25040276** Received by: **BYH**

Checklist completed by Brittany Hayward (eSignature) 28-Apr-25 (Date) Reviewed by: Chelsey Cook (eSignature) 29-Apr-25 (Date)

Matrices: water
Carrier name: Courier

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | Not Present ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 3.0/3.0 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 4/28/2025 10:29:35 AM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

March 31, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 230
Houston, TX 77079

Work Order: **HS25031039**

Laboratory Results for: **NRG Limestone- Appendix IV**

Dear Lori Burris,

ALS Environmental received 4 sample(s) on Mar 20, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: DAYNA.FISHER**
Andy C. Neir

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone- Appendix IV | |
| **WorkOrder:** | **HS25031039** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone- Appendix IV | |
| **WorkOrder:** | **HS25031039** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 03/31/2025 | | | | | |
| Project Name: NRG Limestone- Appendix IV | | | Laboratory Job Number: HS25031039 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 225773, 225805, R509744 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| **R1** | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| **R2** | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| **R3** | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| **R4** | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| **R5** | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| **R6** | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| **R7** | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| **R8** | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | | | X | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | | | X | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | | | X | | | |
| **R9** | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| **R10** | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 03/31/2025 | | | | |
| Project Name: NRG Limestone- Appendix IV | | | Laboratory Job Number: HS25031039 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 225773, 225805, R509744 | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] |
| S1 | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | X | | | | |
| S3 | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| S4 | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| S5 | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| S9 | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| S10 | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S11 | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| S12 | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| S16 | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 03/31/2025 |
| Project Name: NRG Limestone- Appendix IV | Laboratory Job Number: HS25031039 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 225773, 225805, R509744 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 225773, Metals by method SW6020, Sample MW-48, MS and/or MSD recovered outside control limits for thallium due to sample matrix interference.<br><br>Batch 225773, Metals by method SW6020, Sample HS25030987-06, MS and MSD were performed on an unrelated sample |
| 2 | Analyses of Fluorides were performed by ALS Holland, MI. Report and Laboratory Review Checklist are appended. |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**Work Order:** HS25031039

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25031039-01 | MW-47 | Water | | 20-Mar-2025 12:05 | 20-Mar-2025 16:05 | ☐ |
| HS25031039-02 | MW-48 | Water | | 20-Mar-2025 09:55 | 20-Mar-2025 16:05 | ☐ |
| HS25031039-03 | MW-49 | Water | | 20-Mar-2025 09:10 | 20-Mar-2025 16:05 | ☐ |
| HS25031039-04 | MW-50 | Water | | 20-Mar-2025 11:25 | 20-Mar-2025 16:05 | ☐ |

Client: TRC
Project: NRG Limestone- Appendix IV
Sample ID: MW-47
Collection Date: 20-Mar-2025 12:05

**ANALYTICAL REPORT**
WorkOrder:HS25031039
Lab ID:HS25031039-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Mar-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| **Arsenic** | **0.00369** | | **0.000400** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:53 |
| **Barium** | **0.137** | | **0.00190** | **0.00400** | **mg/L** | 1 | 27-Mar-2025 13:53 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 27-Mar-2025 13:53 |
| **Cobalt** | **0.000446** | J | **0.000200** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:53 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| **Lithium** | **0.0152** | | **0.00100** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:53 |
| **Molybdenum** | **0.00137** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:53 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:53 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Mar-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Mar-2025 14:35 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 27-Mar-2025 14:33 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix IV
Sample ID: MW-48
Collection Date: 20-Mar-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25031039
Lab ID:HS25031039-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Mar-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:35 |
| **Arsenic** | **0.00188** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:35 |
| **Barium** | **0.109** | | **0.00190** | **0.00400** | **mg/L** | 1 | 27-Mar-2025 13:35 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:35 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:35 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 27-Mar-2025 13:35 |
| Cobalt | < 0.000200 | | 0.000200 | 0.00500 | mg/L | 1 | 27-Mar-2025 13:35 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:35 |
| **Lithium** | **0.0137** | | **0.00100** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:35 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 27-Mar-2025 13:35 |
| **Selenium** | **0.00152** | J | **0.00110** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:35 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:35 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Mar-2025 | | Analyst: JS |
| **Mercury** | **0.0000390** | J | **0.0000300** | **0.000200** | **mg/L** | 1 | 25-Mar-2025 14:37 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 27-Mar-2025 14:33 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix IV
Sample ID: MW-49
Collection Date: 20-Mar-2025 09:10

**ANALYTICAL REPORT**
WorkOrder:HS25031039
Lab ID:HS25031039-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Mar-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| **Arsenic** | **0.0167** | | **0.000400** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:55 |
| **Barium** | **1.37** | | **0.00190** | **0.00400** | **mg/L** | 1 | 27-Mar-2025 13:55 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 27-Mar-2025 13:55 |
| **Cobalt** | **0.0360** | | **0.000200** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:55 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| **Lithium** | **0.00164** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:55 |
| **Molybdenum** | **0.000751** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:55 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:55 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Mar-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Mar-2025 14:42 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 27-Mar-2025 14:33 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone- Appendix IV
Sample ID: MW-50
Collection Date: 20-Mar-2025 11:25

**ANALYTICAL REPORT**
WorkOrder:HS25031039
Lab ID:HS25031039-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Mar-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:58 |
| **Arsenic** | **0.000723** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:58 |
| **Barium** | **0.0176** | | **0.00190** | **0.00400** | **mg/L** | 1 | 27-Mar-2025 13:58 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:58 |
| **Cadmium** | **0.000235** | J | **0.000200** | **0.00200** | **mg/L** | 1 | 27-Mar-2025 13:58 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 27-Mar-2025 13:58 |
| **Cobalt** | **0.00576** | | **0.000200** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:58 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:58 |
| **Lithium** | **0.0216** | | **0.00100** | **0.00500** | **mg/L** | 1 | 27-Mar-2025 13:58 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 27-Mar-2025 13:58 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:58 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 27-Mar-2025 13:58 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Mar-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Mar-2025 14:43 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 27-Mar-2025 14:33 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**Batch ID:** 225773 **Start Date:** 25 Mar 2025 11:00 **End Date:** 25 Mar 2025 11:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25031039-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 225805 **Start Date:** 25 Mar 2025 08:30 **End Date:** 25 Mar 2025 08:30
**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25031039-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25031039-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 225773 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25031039-01 | MW-47 | 20 Mar 2025 12:05 | | 25 Mar 2025 11:00 | 27 Mar 2025 13:53 | 1 |
| HS25031039-02 | MW-48 | 20 Mar 2025 09:55 | | 25 Mar 2025 11:00 | 27 Mar 2025 13:35 | 1 |
| HS25031039-03 | MW-49 | 20 Mar 2025 09:10 | | 25 Mar 2025 11:00 | 27 Mar 2025 13:55 | 1 |
| HS25031039-04 | MW-50 | 20 Mar 2025 11:25 | | 25 Mar 2025 11:00 | 27 Mar 2025 13:58 | 1 |
| **Batch ID:** 225805 ( 0 ) | **Test Name :** MERCURY BY SW7470A | | | | **Matrix:** Water | |
| HS25031039-01 | MW-47 | 20 Mar 2025 12:05 | | 25 Mar 2025 08:30 | 25 Mar 2025 14:35 | 1 |
| HS25031039-02 | MW-48 | 20 Mar 2025 09:55 | | 25 Mar 2025 08:30 | 25 Mar 2025 14:37 | 1 |
| HS25031039-03 | MW-49 | 20 Mar 2025 09:10 | | 25 Mar 2025 08:30 | 25 Mar 2025 14:42 | 1 |
| HS25031039-04 | MW-50 | 20 Mar 2025 11:25 | | 25 Mar 2025 08:30 | 25 Mar 2025 14:43 | 1 |
| **Batch ID:** R509744 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25031039-01 | MW-47 | 20 Mar 2025 12:05 | | | 27 Mar 2025 14:33 | 1 |
| HS25031039-02 | MW-48 | 20 Mar 2025 09:55 | | | 27 Mar 2025 14:33 | 1 |
| HS25031039-03 | MW-49 | 20 Mar 2025 09:10 | | | 27 Mar 2025 14:33 | 1 |
| HS25031039-04 | MW-50 | 20 Mar 2025 11:25 | | | 27 Mar 2025 14:33 | 1 |

WorkOrder: HS25031039
InstrumentID: HG04
Test Code: HG_W
Test Number: SW7470A
Test Name: Mercury by SW7470A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Mercury | 7439-97-6 | 0.000100 | 0.0000940 | 0.0000300 | 0.000200 |

WorkOrder: HS25031039
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Antimony | 7440-36-0 | 0.00125 | 0.00101 | 0.000400 | 0.00200 |
| A | Arsenic | 7440-38-2 | 0.00125 | 0.000992 | 0.000400 | 0.00200 |
| A | Barium | 7440-39-3 | 0.00250 | 0.00108 | 0.00190 | 0.00400 |
| A | Beryllium | 7440-41-7 | 0.000500 | 0.000871 | 0.000200 | 0.00200 |
| A | Cadmium | 7440-43-9 | 0.000500 | 0.00102 | 0.000200 | 0.00200 |
| A | Chromium | 7440-47-3 | 0.00125 | 0.00172 | 0.000400 | 0.00400 |
| A | Cobalt | 7440-48-4 | 0.000500 | 0.00102 | 0.000200 | 0.00500 |
| A | Lead | 7439-92-1 | 0.00125 | 0.000945 | 0.000600 | 0.00200 |
| A | Lithium | 7439-93-2 | 0.00250 | 0.000902 | 0.00100 | 0.00500 |
| A | Molybdenum | 7439-98-7 | 0.00125 | 0.00102 | 0.000600 | 0.00500 |
| A | Selenium | 7782-49-2 | 0.00125 | 0.00108 | 0.00110 | 0.00200 |
| A | Thallium | 7440-28-0 | 0.000500 | 0.000827 | 0.000200 | 0.00200 |

WorkOrder: HS25031039
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225773 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-225773** Units: **mg/L** Analysis Date: **27-Mar-2025 13:01**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749566** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000400 | 0.00200 | | | | | | | | |
| Arsenic | < 0.000400 | 0.00200 | | | | | | | | |
| Barium | < 0.00190 | 0.00400 | | | | | | | | |
| Beryllium | < 0.000200 | 0.00200 | | | | | | | | |
| Cadmium | < 0.000200 | 0.00200 | | | | | | | | |
| Chromium | < 0.000400 | 0.00400 | | | | | | | | |
| Cobalt | < 0.000200 | 0.00500 | | | | | | | | |
| Lead | < 0.000600 | 0.00200 | | | | | | | | |
| Lithium | < 0.00100 | 0.00500 | | | | | | | | |
| Molybdenum | < 0.000600 | 0.00500 | | | | | | | | |
| Selenium | < 0.00110 | 0.00200 | | | | | | | | |
| Thallium | < 0.000200 | 0.00200 | | | | | | | | |

**LCS** Sample ID: **LCS-225773** Units: **mg/L** Analysis Date: **27-Mar-2025 13:03**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749567** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04346 | 0.00200 | 0.05 | 0 | 86.9 | 80 - 120 | | | | |
| Arsenic | 0.04563 | 0.00200 | 0.05 | 0 | 91.3 | 80 - 120 | | | | |
| Barium | 0.0468 | 0.00400 | 0.05 | 0 | 93.6 | 80 - 120 | | | | |
| Beryllium | 0.0443 | 0.00200 | 0.05 | 0 | 88.6 | 80 - 120 | | | | |
| Cadmium | 0.04806 | 0.00200 | 0.05 | 0 | 96.1 | 80 - 120 | | | | |
| Chromium | 0.04511 | 0.00400 | 0.05 | 0 | 90.2 | 80 - 120 | | | | |
| Cobalt | 0.04687 | 0.00500 | 0.05 | 0 | 93.7 | 80 - 120 | | | | |
| Lead | 0.0458 | 0.00200 | 0.05 | 0 | 91.6 | 80 - 120 | | | | |
| Lithium | 0.09399 | 0.00500 | 0.1 | 0 | 94.0 | 80 - 120 | | | | |
| Molybdenum | 0.04419 | 0.00500 | 0.05 | 0 | 88.4 | 80 - 120 | | | | |
| Selenium | 0.04426 | 0.00200 | 0.05 | 0 | 88.5 | 80 - 120 | | | | |
| Thallium | 0.04002 | 0.00200 | 0.05 | 0 | 80.0 | 80 - 120 | | | | |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225773 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25031039-02MS** Units: **mg/L** Analysis Date: **27-Mar-2025 13:37**
Client ID: **MW-48** Run ID: **ICPMS06_509708** SeqNo: **8749581** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.0444 | 0.00200 | 0.05 | 0.000032 | 88.7 | 80 - 120 | | | | |
| Arsenic | 0.04811 | 0.00200 | 0.05 | 0.001875 | 92.5 | 80 - 120 | | | | |
| Barium | 0.157 | 0.00400 | 0.05 | 0.1087 | 96.7 | 80 - 120 | | | | |
| Beryllium | 0.04673 | 0.00200 | 0.05 | 0.000005 | 93.4 | 80 - 120 | | | | |
| Cadmium | 0.04641 | 0.00200 | 0.05 | 0.000052 | 92.7 | 80 - 120 | | | | |
| Chromium | 0.04469 | 0.00400 | 0.05 | 0.000083 | 89.2 | 80 - 120 | | | | |
| Cobalt | 0.04441 | 0.00500 | 0.05 | 0.000029 | 88.8 | 80 - 120 | | | | |
| Lead | 0.04587 | 0.00200 | 0.05 | 0.000021 | 91.7 | 80 - 120 | | | | |
| Lithium | 0.1111 | 0.00500 | 0.1 | 0.01367 | 97.4 | 80 - 120 | | | | |
| Molybdenum | 0.04382 | 0.00500 | 0.05 | 0.000387 | 86.9 | 80 - 120 | | | | |
| Selenium | 0.04878 | 0.00200 | 0.05 | 0.001517 | 94.5 | 80 - 120 | | | | |
| Thallium | 0.03622 | 0.00200 | 0.05 | -0.000005 | 72.5 | 80 - 120 | | | | S |

**MS** Sample ID: **HS25030987-06MS** Units: **mg/L** Analysis Date: **27-Mar-2025 13:15**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749571** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.0443 | 0.00200 | 0.05 | 0.000014 | 88.6 | 80 - 120 | | | | |
| Arsenic | 0.04962 | 0.00200 | 0.05 | 0.002848 | 93.5 | 80 - 120 | | | | |
| Barium | 0.5093 | 0.00400 | 0.05 | 0.4714 | 75.8 | 80 - 120 | | | | SO |
| Beryllium | 0.04635 | 0.00200 | 0.05 | 0.000025 | 92.6 | 80 - 120 | | | | |
| Cadmium | 0.0467 | 0.00200 | 0.05 | 0.000004 | 93.4 | 80 - 120 | | | | |
| Chromium | 0.04583 | 0.00400 | 0.05 | 0.02834 | 35.0 | 80 - 120 | | | | S |
| Cobalt | 0.04536 | 0.00500 | 0.05 | 0.000316 | 90.1 | 80 - 120 | | | | |
| Lead | 0.04695 | 0.00200 | 0.05 | 0.000092 | 93.7 | 80 - 120 | | | | |
| Lithium | 0.1391 | 0.00500 | 0.1 | 0.0443 | 94.8 | 80 - 120 | | | | |
| Molybdenum | 0.0447 | 0.00500 | 0.05 | 0.001321 | 86.8 | 80 - 120 | | | | |
| Selenium | 0.04548 | 0.00200 | 0.05 | 0.000036 | 90.9 | 80 - 120 | | | | |
| Thallium | 0.03722 | 0.00200 | 0.05 | -0.000003 | 74.4 | 80 - 120 | | | | S |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225773 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MSD** Sample ID: **HS25031039-02MSD** Units: **mg/L** Analysis Date: **27-Mar-2025 13:39**
Client ID: **MW-48** Run ID: **ICPMS06_509708** SeqNo: **8749582** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.0442 | 0.00200 | 0.05 | 0.000032 | 88.3 | 80 - 120 | 0.0444 | 0.442 | 20 | |
| Arsenic | 0.04864 | 0.00200 | 0.05 | 0.001875 | 93.5 | 80 - 120 | 0.04811 | 1.1 | 20 | |
| Barium | 0.1561 | 0.00400 | 0.05 | 0.1087 | 94.8 | 80 - 120 | 0.157 | 0.599 | 20 | |
| Beryllium | 0.04721 | 0.00200 | 0.05 | 0.000005 | 94.4 | 80 - 120 | 0.04673 | 1.02 | 20 | |
| Cadmium | 0.04635 | 0.00200 | 0.05 | 0.000052 | 92.6 | 80 - 120 | 0.04641 | 0.127 | 20 | |
| Chromium | 0.04374 | 0.00400 | 0.05 | 0.000083 | 87.3 | 80 - 120 | 0.04469 | 2.14 | 20 | |
| Cobalt | 0.04417 | 0.00500 | 0.05 | 0.000029 | 88.3 | 80 - 120 | 0.04441 | 0.535 | 20 | |
| Lead | 0.04616 | 0.00200 | 0.05 | 0.000021 | 92.3 | 80 - 120 | 0.04587 | 0.628 | 20 | |
| Lithium | 0.1114 | 0.00500 | 0.1 | 0.01367 | 97.7 | 80 - 120 | 0.1111 | 0.251 | 20 | |
| Molybdenum | 0.04397 | 0.00500 | 0.05 | 0.000387 | 87.2 | 80 - 120 | 0.04382 | 0.344 | 20 | |
| Selenium | 0.04784 | 0.00200 | 0.05 | 0.001517 | 92.6 | 80 - 120 | 0.04878 | 1.94 | 20 | |
| Thallium | 0.03688 | 0.00200 | 0.05 | -0.000005 | 73.8 | 80 - 120 | 0.03622 | 1.8 | 20 | S |

**MSD** Sample ID: **HS25030987-06MSD** Units: **mg/L** Analysis Date: **27-Mar-2025 13:17**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749572** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04439 | 0.00200 | 0.05 | 0.000014 | 88.8 | 80 - 120 | 0.0443 | 0.212 | 20 | |
| Arsenic | 0.0489 | 0.00200 | 0.05 | 0.002848 | 92.1 | 80 - 120 | 0.04962 | 1.45 | 20 | |
| Barium | 0.5205 | 0.00400 | 0.05 | 0.4714 | 98.2 | 80 - 120 | 0.5093 | 2.18 | 20 | O |
| Beryllium | 0.04708 | 0.00200 | 0.05 | 0.000025 | 94.1 | 80 - 120 | 0.04635 | 1.58 | 20 | |
| Cadmium | 0.04638 | 0.00200 | 0.05 | 0.000004 | 92.7 | 80 - 120 | 0.0467 | 0.696 | 20 | |
| Chromium | 0.04518 | 0.00400 | 0.05 | 0.02834 | 33.7 | 80 - 120 | 0.04583 | 1.43 | 20 | S |
| Cobalt | 0.0453 | 0.00500 | 0.05 | 0.000316 | 90.0 | 80 - 120 | 0.04536 | 0.135 | 20 | |
| Lead | 0.04702 | 0.00200 | 0.05 | 0.000092 | 93.9 | 80 - 120 | 0.04695 | 0.151 | 20 | |
| Lithium | 0.1437 | 0.00500 | 0.1 | 0.0443 | 99.4 | 80 - 120 | 0.1391 | 3.27 | 20 | |
| Molybdenum | 0.04457 | 0.00500 | 0.05 | 0.001321 | 86.5 | 80 - 120 | 0.0447 | 0.282 | 20 | |
| Selenium | 0.04454 | 0.00200 | 0.05 | 0.000036 | 89.0 | 80 - 120 | 0.04548 | 2.09 | 20 | |
| Thallium | 0.03892 | 0.00200 | 0.05 | -0.000003 | 77.9 | 80 - 120 | 0.03722 | 4.49 | 20 | S |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225773 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25031039-02PDS** Units: **mg/L** Analysis Date: **27-Mar-2025 13:41**
Client ID: **MW-48** Run ID: **ICPMS06_509708** SeqNo: **8749583** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.09183 | 0.00200 | 0.1 | 0.000032 | 91.8 | 75 - 125 | | | | |
| Arsenic | 0.09863 | 0.00200 | 0.1 | 0.001875 | 96.8 | 75 - 125 | | | | |
| Barium | 0.2119 | 0.00400 | 0.1 | 0.1087 | 103 | 75 - 125 | | | | |
| Beryllium | 0.0962 | 0.00200 | 0.1 | 0.000005 | 96.2 | 75 - 125 | | | | |
| Cadmium | 0.09506 | 0.00200 | 0.1 | 0.000052 | 95.0 | 75 - 125 | | | | |
| Chromium | 0.09054 | 0.00400 | 0.1 | 0.000083 | 90.5 | 75 - 125 | | | | |
| Cobalt | 0.09416 | 0.00500 | 0.1 | 0.000029 | 94.1 | 75 - 125 | | | | |
| Lead | 0.09653 | 0.00200 | 0.1 | 0.000021 | 96.5 | 75 - 125 | | | | |
| Lithium | 0.1016 | 0.00500 | 0.1 | 0.01367 | 88.0 | 70 - 125 | | | | |
| Molybdenum | 0.08946 | 0.00500 | 0.1 | 0.000387 | 89.1 | 75 - 125 | | | | |
| Selenium | 0.0962 | 0.00200 | 0.1 | 0.001517 | 94.7 | 75 - 125 | | | | |
| Thallium | 0.09298 | 0.00200 | 0.1 | -0.000005 | 93.0 | 75 - 125 | | | | |

**PDS** Sample ID: **HS25030987-06PDS** Units: **mg/L** Analysis Date: **27-Mar-2025 13:19**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749573** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.09078 | 0.00200 | 0.1 | 0.000014 | 90.8 | 75 - 125 | | | | |
| Arsenic | 0.09766 | 0.00200 | 0.1 | 0.002848 | 94.8 | 75 - 125 | | | | |
| Barium | 0.579 | 0.00400 | 0.1 | 0.4714 | 108 | 75 - 125 | | | | O |
| Beryllium | 0.09738 | 0.00200 | 0.1 | 0.000025 | 97.4 | 75 - 125 | | | | |
| Cadmium | 0.09669 | 0.00200 | 0.1 | 0.000004 | 96.7 | 75 - 125 | | | | |
| Cobalt | 0.09473 | 0.00500 | 0.1 | 0.000316 | 94.4 | 75 - 125 | | | | |
| Lead | 0.09747 | 0.00200 | 0.1 | 0.000092 | 97.4 | 75 - 125 | | | | |
| Lithium | 0.1327 | 0.00500 | 0.1 | 0.0443 | 88.4 | 70 - 125 | | | | |
| Molybdenum | 0.08937 | 0.00500 | 0.1 | 0.001321 | 88.1 | 75 - 125 | | | | |
| Selenium | 0.09302 | 0.00200 | 0.1 | 0.000036 | 93.0 | 75 - 125 | | | | |
| Thallium | 0.08255 | 0.00200 | 0.1 | -0.000003 | 82.6 | 75 - 125 | | | | |

**PDS** Sample ID: **HS25030987-06PDS** Units: **mg/L** Analysis Date: **27-Mar-2025 15:01**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749976** PrepDate: **25-Mar-2025** DF: **2**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chromium | 0.2021 | 0.00800 | 0.2 | 0.02841 | 86.9 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225773 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25031039-02SD** Units: **mg/L** Analysis Date: **27-Mar-2025 13:29**
Client ID: **MW-48** Run ID: **ICPMS06_509708** SeqNo: **8749578** PrepDate: **25-Mar-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00200 | 0.0100 | | | | | 0.000032 | 0 | 10 | |
| Arsenic | < 0.00200 | 0.0100 | | | | | 0.001875 | 0 | 10 | |
| Barium | 0.1091 | 0.0200 | | | | | 0.1087 | 0.406 | 10 | |
| Beryllium | < 0.00100 | 0.0100 | | | | | 0.000005 | 0 | 10 | |
| Cadmium | < 0.00100 | 0.0100 | | | | | 0.000052 | 0 | 10 | |
| Chromium | < 0.00200 | 0.0200 | | | | | 0.000083 | 0 | 10 | |
| Cobalt | < 0.00100 | 0.0250 | | | | | 0.000029 | 0 | 10 | |
| Lead | < 0.00300 | 0.0100 | | | | | 0.000021 | 0 | 10 | |
| Lithium | 0.01305 | 0.0250 | | | | | 0.01367 | 0 | 10 | J |
| Molybdenum | < 0.00300 | 0.0250 | | | | | 0.000387 | 0 | 10 | |
| Selenium | < 0.00550 | 0.0100 | | | | | 0.001517 | 0 | 10 | |
| Thallium | < 0.00100 | 0.0100 | | | | | -0.000005 | 0 | 10 | |

**SD** Sample ID: **HS25030987-06SD** Units: **mg/L** Analysis Date: **27-Mar-2025 13:05**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749568** PrepDate: **25-Mar-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00200 | 0.0100 | | | | | 0.000014 | 0 | 10 | |
| Arsenic | 0.002784 | 0.0100 | | | | | 0.002848 | 0 | 10 | J |
| Barium | 0.4522 | 0.0200 | | | | | 0.4714 | 4.07 | 10 | |
| Beryllium | < 0.00100 | 0.0100 | | | | | 0.000025 | 0 | 10 | |
| Cadmium | < 0.00100 | 0.0100 | | | | | 0.000004 | 0 | 10 | |
| Cobalt | < 0.00100 | 0.0250 | | | | | 0.000316 | 0 | 10 | |
| Lead | < 0.00300 | 0.0100 | | | | | 0.000092 | 0 | 10 | |
| Lithium | 0.04204 | 0.0250 | | | | | 0.0443 | 5.11 | 10 | |
| Molybdenum | < 0.00300 | 0.0250 | | | | | 0.001321 | 0 | 10 | |
| Selenium | < 0.00550 | 0.0100 | | | | | 0.000036 | 0 | 10 | |
| Thallium | < 0.00100 | 0.0100 | | | | | -0.000003 | 0 | 10 | |

**SD** Sample ID: **HS25030987-06SD** Units: **mg/L** Analysis Date: **27-Mar-2025 14:54**
Client ID: Run ID: **ICPMS06_509708** SeqNo: **8749973** PrepDate: **25-Mar-2025** DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chromium | 0.02589 | 0.0400 | | | | | 0.02841 | 0 | 10 | J |

| | |
|---|---|
| **Client:** | TRC |
| **Project:** | NRG Limestone- Appendix IV |
| **WorkOrder:** | HS25031039 |

**QC BATCH REPORT**

| | | |
|---|---|---|
| **Batch ID: 225773 ( 0 )** | **Instrument: ICPMS06** | **Method: ICP-MS METALS BY SW6020A** |

| | | | | |
|---|---|---|---|---|
| **The following samples were analyzed in this batch:** | HS25031039-01 | HS25031039-02 | HS25031039-03 | HS25031039-04 |

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** HS25031039

**QC BATCH REPORT**

**Batch ID: 225805 ( 0 )** **Instrument: HG04** **Method: MERCURY BY SW7470A**

**MBLK** Sample ID: **MBLK-225805** Units: **mg/L** Analysis Date: **25-Mar-2025 14:01**
Client ID: Run ID: **HG04_509518** SeqNo: **8744811** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | < 0.0000300 | 0.000200 | | | | | | | | |

**LCS** Sample ID: **LCS-225805** Units: **mg/L** Analysis Date: **25-Mar-2025 14:03**
Client ID: Run ID: **HG04_509518** SeqNo: **8744812** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00513 | 0.000200 | 0.005 | 0 | 103 | 80 - 120 | | | | |

**MS** Sample ID: **HS25031039-02MS** Units: **mg/L** Analysis Date: **25-Mar-2025 14:38**
Client ID: **MW-48** Run ID: **HG04_509518** SeqNo: **8744825** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00484 | 0.000200 | 0.005 | 0.000039 | 96.0 | 75 - 125 | | | | |

**MSD** Sample ID: **HS25031039-02MSD** Units: **mg/L** Analysis Date: **25-Mar-2025 14:40**
Client ID: **MW-48** Run ID: **HG04_509518** SeqNo: **8744826** PrepDate: **25-Mar-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00482 | 0.000200 | 0.005 | 0.000039 | 95.6 | 75 - 125 | 0.00484 | 0.414 | 20 | |

**The following samples were analyzed in this batch:** HS25031039-01 HS25031039-02 HS25031039-03 HS25031039-04

**Client:** TRC
**Project:** NRG Limestone- Appendix IV
**WorkOrder:** **HS25031039**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2025 |
| California | 2919; 2025 | 30-Apr-2025 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-38 | 30-Jun-2025 |
| Illinois | 2000322023-11 | 31-Jul-2025 |
| Kansas | E-10352 2023-2024 | 31-Jul-2025 |
| Kentucky | 123043 | 30-Apr-2025 |
| Louisiana | 03087 2023-2024 | 30-Jun-2025 |
| Maine | 2024017 | 23-Jun-2026 |
| Michigan | 9971 | 30-Apr-2025 |
| Nebraska | NE-OS-25-13 | 30-Apr-2025 |
| New Jersey | TX008 | 30-Jun-2025 |
| Pennsylvania | 018 | 30-Jun-2025 |
| Tennessee | 04016 | 30-Apr-2025 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2025 |
| Utah | TX026932023-14 | 31-Jul-2025 |

## Sample Receipt Checklist

**Work Order ID:** HS25031039 **Date/Time Received:** **20-Mar-2025 16:05**

**Client Name:** TRC-HOU **Received by:** **Paresh M. Giga**

| **Completed By:** | /S/ Ruben Estrada-Jr | 22-Mar-2025 16:39 | **Reviewed by:** | /S/ Bernadette A. Fini | 24-Mar-2025 15:54 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **WATER** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | Not Present ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 1 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:328465 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 1.1UC/1.5UC/1.2UC | IR36 | |
| Cooler(s)/Kit(s): | 51953 | | |
| Date/Time sample(s) sent to storage: | 3/22/25 16:00 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☐ | N/A ☑ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Forr

Page 1 of 1

COC ID: 328465

**HS25031039**

TRC

NRG Limestone- Appendix IV

, WV

ALS Project Manager:

| Customer Information | | Project Information | | |
|---|---|---|---|---|
| Purchase Order | | Project Name | | A |
| Work Order | | Project Number | | B |
| Company Name | | Bill To Company | | C |
| Send Report To | | Invoice Attn | | D |
| Address | | Address | | E |
| | | | | F |
| City/State/Zip | | City/State/Zip | | G |
| Phone | | Phone | | H |
| Fax | | Fax | | I |
| e-Mail Address | | e-Mail Address | | J |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3-20-25 | 1205 | | | | | | | | | | | | | | |
| 2 | | | 955 | | | | | | | | | | | | | | |
| 3 | | | 910 | | | | | | | | | | | | | | |
| 4 | | | 1125 | | | | | | | | | | | | | | |
| 5 | | | 955 | | | | | | | | | | | | | | |
| 6 | | | 955 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

MW-16

MW-16

| Sampler(s) Please Print & Sign | Shipment Method | Required Turnaround Time: (Check Box) | Results Due Date: |
|---|---|---|---|
| Mason Bond + Hunter Tenny | Drop off at lab | | |

| Relinquished by: | Date: | Time: | Received by: | Notes: |
|---|---|---|---|---|
| Caleb Morales | 3-20-25 | 1605 | | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): 3/20/25 16:05 | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

| Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) |
|---|---|---|
| 51953 | 1.1° | |
| 52451 | 1.3° | |
| 53165 | 1.2° | |

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

27-Mar-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25031039** Work Order: **25030211**

Dear Andrew,

ALS Environmental received 4 samples on 26-Mar-2025 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 17.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25031039 |
| **Work Order:** | 25030211 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR1_250327A | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25030211 | | |
| Analyst Name: KB | Date: 03/27/25 | Reviewer Name: JB | Date: 3/27/25 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**Client:** ALS Environmental
**Project:** HS25031039
**Work Order:** **25030211**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25030211-01 | MW-47 | Water | HS25031039-01 | 3/20/2025 12:05 | 3/26/2025 10:00 | ☐ |
| 25030211-02 | MW-48 | Water | HS25031039-01 | 3/20/2025 09:55 | 3/26/2025 10:00 | ☐ |
| 25030211-03 | MW-49 | Water | HS25031039-01 | 3/20/2025 09:10 | 3/26/2025 10:00 | ☐ |
| 25030211-04 | MW-50 | Water | HS25031039-01 | 3/20/2025 11:25 | 3/26/2025 10:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25031039
**WorkOrder:** **25030211**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25031039
**Work Order:** 25030211

# Case Narrative

Samples for the above noted Work Order were received on 03/26/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25030211
**Client:** ALS Environmental
**Project:** HS25031039

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R419083 **Test Name:** Fluoride | | | | | | |
| 25030211-01 ^ | MW-47 | Water | 3/20/2025 12:05:00 PM | | | 3/27/2025 10:40 AM |
| 25030211-02 ^ | MW-48 | | 3/20/2025 9:55:00 AM | | | 3/27/2025 10:40 AM |
| 25030211-03 ^ | MW-49 | | 3/20/2025 9:10:00 AM | | | 3/27/2025 10:40 AM |
| 25030211-04 ^ | MW-50 | | 3/20/2025 11:25:00 AM | | | 3/27/2025 10:40 AM |

# ALS Group, USA

**Date:** *27-Mar-25*

**Client:** ALS Environmental
**Project:** HS25031039
**Sample ID:** MW-47
**Collection Date:** 3/20/2025 12:05 PM

**Work Order:** 25030211
**Lab ID:** 25030211-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.410** | | **0.058** | **0.10** | **mg/L** | 1 | 3/27/2025 10:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031039
**Sample ID:** MW-48
**Collection Date:** 3/20/2025 09:55 AM

**Work Order:** 25030211
**Lab ID:** 25030211-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.180** | | **0.058** | **0.10** | **mg/L** | 1 | 3/27/2025 10:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031039
**Sample ID:** MW-49
**Collection Date:** 3/20/2025 09:10 AM

**Work Order:** 25030211
**Lab ID:** 25030211-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0600** | J | **0.058** | **0.10** | **mg/L** | 1 | 3/27/2025 10:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25031039
**Sample ID:** MW-50
**Collection Date:** 3/20/2025 11:25 AM

**Work Order:** 25030211
**Lab ID:** 25030211-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 3/27/2025 10:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**WorkOrder:** 25030211
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride **Matrix:** Water **Units:** mg/L

# METHOD DETECTION / REPORTING LIMITS

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# QC BATCH REPORT

Batch ID: **R419083** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R419083-R419083** Units: **mg/L** Analysis Date: **3/27/2025 10:40 AM**

Client ID: Run ID: **TITRATOR 1_250327A** SeqNo: **11431880** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.1 | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R419083-R419083** Units: **mg/L** Analysis Date: **3/27/2025 10:40 AM**

Client ID: Run ID: **TITRATOR 1_250327A** SeqNo: **11431881** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.98 | 0.058 | 0.10 | 5 | 0 | 99.6 | 90-111 | 0 | | | |

**MS** Sample ID: **25030211-02AMS** Units: **mg/L** Analysis Date: **3/27/2025 10:40 AM**

Client ID: **MW-48** Run ID: **TITRATOR 1_250327A** SeqNo: **11431884** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0.18 | 101 | 90-111 | 0 | | | |

**MSD** Sample ID: **25030211-02AMSD** Units: **mg/L** Analysis Date: **3/27/2025 10:40 AM**

Client ID: **MW-48** Run ID: **TITRATOR 1_250327A** SeqNo: **11431885** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.31 | 0.058 | 0.10 | 5 | 0.18 | 103 | 90-111 | 5.24 | 1.33 | 20 | |

**The following samples were analyzed in this batch:**

25030211-01A 25030211-02A 25030211-03A
25030211-04A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

10450 Stancliff Rd, Ste 210
Houston, TX 77099
+1 281 530 5656
+1 281 530 5887
rw.alsglobal.com

25030211

ALS - HOUSTON: ALS Environmental
Project: HS25031039

S

**SAMPLING STATE:**

**COC ID: 28347**

**SUBCONTRACT TO:**

ALS Laboratory Group
3352 128th Ave.
Holland, MI 494249263

Telephone : +1 616 399 6070

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25031039 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| **1.** | **HS25031039-01** | **MW-47** | **Water** | **20 Mar 2025 12:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **2.** | **HS25031039-02** | **MW-48** | **Water** | **20 Mar 2025 09:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **3.** | **HS25031039-03** | **MW-49** | **Water** | **20 Mar 2025 09:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |
| **4.** | **HS25031039-04** | **MW-50** | **Water** | **20 Mar 2025 11:25** |
| | Fluoride by ISE 4500. EQuis EDD | | | 27 Mar 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: _____ Date/Time: 3/25/25 1700

Received By: _____ Date/Time: 3-26-25 10:10

Cooler ID(s): _____ Temperature(s): 4.0c IR7

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **26-Mar-25 10:00**

Work Order: **25030211** Received by: **CMK**

Checklist completed by Caleb Koetje (eSignature) 26-Mar-25 (Date) Reviewed by: Chelsey Cook (eSignature) 27-Mar-25 (Date)

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | Not Present ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 4.0c | IR7 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 3/26/2025 2:35:02 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☐ | N/A ☑ |
| pH adjusted? | Yes ☐ | No ☐ | N/A ☑ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 5/2/2025 3:53:37 PM

## JOB DESCRIPTION

Ra-226/228

## JOB NUMBER

160-57652-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



my EOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
5/2/2025 3:53:37 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 12
QC Association Summary . . . . . 14
Tracer Carrier Summary . . . . . 15

## Job ID: 160-57652-1 — Eurofins St. Louis

**Job Narrative**
**160-57652-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

**Receipt**
The samples were received on 4/4/2025 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C.

**Receipt Exceptions**
Samplers name is not on the COC. MW-47 (160-57652-1), MW-48 (160-57652-2), MW-48 (160-57652-2[MS]), MW-48 (160-57652-2[MSD]), MW-49 (160-57652-3) and MW-50 (160-57652-4)

**Method 903.0 - Radium-226 (GFPC)**
Samples MW-47 (160-57652-1), MW-48 (160-57652-2), MW-48 (160-57652-2MS), MW-48 (160-57652-2MSD), MW-49 (160-57652-3) and MW-50 (160-57652-4) were analyzed for Radium-226 (GFPC). The samples were prepared on 4/8/2025 and analyzed on 5/1/2025.

**Method 904.0 - Radium-228 (GFPC)**
Samples MW-47 (160-57652-1), MW-48 (160-57652-2), MW-48 (160-57652-2MS), MW-48 (160-57652-2MSD), MW-49 (160-57652-3) and MW-50 (160-57652-4) were analyzed for Radium-228 (GFPC). The samples were prepared on 4/8/2025 and analyzed on 5/1/2025.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins TestAmerica, St. Louis
13715 Rider Trail North

Earth City, MO 63045-1205
phone 314.298.8566 fax 314.298.8757

# Chain of Custody Record

eurofins Environment Testing TestAmerica

**Regulatory Program:** | | DW | | NPDES ☐ RCRA | | Other:

**TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica**

| Client Contact | Project Manager: Lori Burris | Site Contact: | Date: | COC No: |
|---|---|---|---|---|
| Your Company Name here TRC | Email:LBurris@tresolutions.com | Lab Contact: | Carrier: | ___ of ___ COCs |
| Address 11767 Katy Freeway | Tel/Fax:281.798.9346 | | | Sampler: |
| City/State/Zip Houston, TX 77079 | Analysis Turnaround Time | | | For Lab Use Only: |
| (281) 798-9346 Phone | ☐ CALENDAR DAYS ☐ WORKING DAYS | | | Walk-in Client: |
| (xxx) xxx-xxxx FAX | TAT if different from Below ___ | | | Lab Sampling: |
| Project Name: | ☐ 2 weeks | | | |
| Site: | ☐ 1 week | | | Job / SDG No.: |
| P O # | ☐ 2 days | | | |
| | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y / N) | Perform MS / MSD (Y / N) | RSK 226 | RSK 226 | | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-47 | 3/20/25 | 1205 | G | water | 2 | | | X | X | | |
| MW-48 | 3/20/25 | 955 | ↓ | water | 6 | | x | X | X | | |
| MW-49 | 3/20/25 | 910 | ↓ | water | 2 | | | X | X | | |
| MW-50 | 3/20/25 | 1125 | ↓ | water | 2 | | | X | X | | |

160-57652 Chain of Custody

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ___

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ___ Months

**Special Instructions/QC Requirements & Comments:**

| Custody Seals Intact: | | | Custody Seal No.: | | | Cooler Temp. (°C): Obs'd: | Corr'd: | Therm ID No.: |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| Relinquished by: | Company: HMI | Date/Time: 4/1/25 1725 | Received by: | Company: | Date/Time: | | | |
| Relinquished by: | Company: VRS | Date/Time: 4-2-25 1502 | Received by: | Company: | Date/Time: 4-2-25 1902 | | | |
| Relinquished by: | Company: | Date/Time: 4-2-25 1902 | Received in Laboratory by: | Company: ETASTL | Date/Time: APR 04 2025 0850 | | | |

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-57652-1

**Login Number: 57652**
**List Number: 1**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Samplers name is not on the COC |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228

Job ID: 160-57652-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228

Job ID: 160-57652-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228

Job ID: 160-57652-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-57652-1 | MW-47 | Water | 03/20/25 12:05 | 04/04/25 08:50 |
| 160-57652-2 | MW-48 | Water | 03/20/25 09:55 | 04/04/25 08:50 |
| 160-57652-3 | MW-49 | Water | 03/20/25 09:10 | 04/04/25 08:50 |
| 160-57652-4 | MW-50 | Water | 03/20/25 11:25 | 04/04/25 08:50 |

## Client Sample ID: MW-47

**Lab Sample ID: 160-57652-1**
**Date Collected: 03/20/25 12:05**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.118 | U | 0.199 | 0.199 | 1.00 | 0.348 | pCi/L | 04/08/25 07:42 | 05/01/25 14:22 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.9* | | *30 - 110* | *04/08/25 07:42* | *05/01/25 14:22* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.619** | | 0.361 | 0.365 | 1.00 | 0.515 | pCi/L | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.9* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |
| *Y Carrier* | *81.5* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |

## Client Sample ID: MW-48

**Lab Sample ID: 160-57652-2**
**Date Collected: 03/20/25 09:55**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.365** | | 0.253 | 0.255 | 1.00 | 0.355 | pCi/L | 04/08/25 07:42 | 05/01/25 14:22 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *04/08/25 07:42* | *05/01/25 14:22* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **1.08** | | 0.435 | 0.446 | 1.00 | 0.564 | pCi/L | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |
| *Y Carrier* | *83.4* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |

## Client Sample ID: MW-49

**Lab Sample ID: 160-57652-3**
**Date Collected: 03/20/25 09:10**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.525** | | 0.272 | 0.276 | 1.00 | 0.336 | pCi/L | 04/08/25 07:42 | 05/01/25 14:22 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.6* | | *30 - 110* | *04/08/25 07:42* | *05/01/25 14:22* | *1* |

## Client Sample ID: MW-49

**Lab Sample ID: 160-57652-3**

**Date Collected: 03/20/25 09:10**

**Matrix: Water**

**Date Received: 04/04/25 08:50**

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.766 | | 0.438 | 0.444 | 1.00 | 0.637 | pCi/L | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.6* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |
| *Y Carrier* | *78.1* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |

## Client Sample ID: MW-50

**Lab Sample ID: 160-57652-4**

**Date Collected: 03/20/25 11:25**

**Matrix: Water**

**Date Received: 04/04/25 08:50**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.215 | U | 0.208 | 0.209 | 1.00 | 0.325 | pCi/L | 04/08/25 07:42 | 05/01/25 16:35 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *04/08/25 07:42* | *05/01/25 16:35* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.169 | U | 0.335 | 0.335 | 1.00 | 0.579 | pCi/L | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |
| *Y Carrier* | *83.4* | | *30 - 110* | *04/08/25 07:48* | *05/01/25 09:50* | *1* |

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-711346/1-A**
**Matrix: Water**
**Analysis Batch: 715645**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 711346**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.1221 | U | 0.204 | 0.204 | 1.00 | 0.355 | pCi/L | 04/08/25 07:42 | 05/01/25 14:21 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.1* | | *30 - 110* | *04/08/25 07:42* | *05/01/25 14:21* | *1* |

**Lab Sample ID: LCS 160-711346/2-A**
**Matrix: Water**
**Analysis Batch: 715645**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 711346**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 9.58 | 9.108 | | 1.22 | 1.00 | 0.311 | pCi/L | 95 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *89.4* | | *30 - 110* |

**Lab Sample ID: 160-57652-2 MS**
**Matrix: Water**
**Analysis Batch: 715645**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 711346**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.365 | | 9.51 | 9.305 | | 1.26 | 1.00 | 0.405 | pCi/L | 94 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *89.4* | | *30 - 110* |

**Lab Sample ID: 160-57652-2 MSD**
**Matrix: Water**
**Analysis Batch: 715645**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 711346**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.365 | | 9.56 | 8.820 | | 1.23 | 1.00 | 0.366 | pCi/L | 88 | 60 - 140 | 0.20 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *85.1* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-711347/1-A**
**Matrix: Water**
**Analysis Batch: 715644**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 711347**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.1478 | U | 0.290 | 0.290 | 1.00 | 0.589 | pCi/L | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 86.1 | | 30 - 110 | 04/08/25 07:48 | 05/01/25 09:50 | 1 |
| Y Carrier | 79.3 | | 30 - 110 | 04/08/25 07:48 | 05/01/25 09:50 | 1 |

**Lab Sample ID: LCS 160-711347/2-A**
**Matrix: Water**
**Analysis Batch: 715644**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 711347**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.49 | 11.15 | | 1.47 | 1.00 | 0.573 | pCi/L | 117 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 89.4 | | 30 - 110 |
| Y Carrier | 80.7 | | 30 - 110 |

**Lab Sample ID: 160-57652-2 MS**
**Matrix: Water**
**Analysis Batch: 715644**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 711347**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.08 | | 9.43 | 11.06 | | 1.47 | 1.00 | 0.636 | pCi/L | 106 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 89.4 | | 30 - 110 |
| Y Carrier | 81.5 | | 30 - 110 |

**Lab Sample ID: 160-57652-2 MSD**
**Matrix: Water**
**Analysis Batch: 715644**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 711347**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.08 | | 9.47 | 13.40 | | 1.70 | 1.00 | 0.588 | pCi/L | 130 | 60 - 140 | 0.74 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 85.1 | | 30 - 110 |
| Y Carrier | 80.0 | | 30 - 110 |

# QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228

Job ID: 160-57652-1

## Rad

### Prep Batch: 711346

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-57652-1 | MW-47 | Total/NA | Water | PrecSep-21 | |
| 160-57652-2 | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-57652-3 | MW-49 | Total/NA | Water | PrecSep-21 | |
| 160-57652-4 | MW-50 | Total/NA | Water | PrecSep-21 | |
| MB 160-711346/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-711346/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 160-57652-2 MS | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-57652-2 MSD | MW-48 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 711347

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-57652-1 | MW-47 | Total/NA | Water | PrecSep_0 | |
| 160-57652-2 | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-57652-3 | MW-49 | Total/NA | Water | PrecSep_0 | |
| 160-57652-4 | MW-50 | Total/NA | Water | PrecSep_0 | |
| MB 160-711347/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-711347/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 160-57652-2 MS | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-57652-2 MSD | MW-48 | Total/NA | Water | PrecSep_0 | |

# Tracer/Carrier Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228

Job ID: 160-57652-1

## Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) |
|---|---|---|
| | | Ba |
| Lab Sample ID | Client Sample ID | (30-110) |
| 160-57652-1 | MW-47 | 86.9 |
| 160-57652-2 | MW-48 | 84.8 |
| 160-57652-2 MS | MW-48 | 89.4 |
| 160-57652-2 MSD | MW-48 | 85.1 |
| 160-57652-3 | MW-49 | 89.6 |
| 160-57652-4 | MW-50 | 91.2 |
| LCS 160-711346/2-A | Lab Control Sample | 89.4 |
| MB 160-711346/1-A | Method Blank | 86.1 |

**Tracer/Carrier Legend**

Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| | | Ba | Y |
| Lab Sample ID | Client Sample ID | (30-110) | (30-110) |
| 160-57652-1 | MW-47 | 86.9 | 81.5 |
| 160-57652-2 | MW-48 | 84.8 | 83.4 |
| 160-57652-2 MS | MW-48 | 89.4 | 81.5 |
| 160-57652-2 MSD | MW-48 | 85.1 | 80.0 |
| 160-57652-3 | MW-49 | 89.6 | 78.1 |
| 160-57652-4 | MW-50 | 91.2 | 83.4 |
| LCS 160-711347/2-A | Lab Control Sample | 89.4 | 80.7 |
| MB 160-711347/1-A | Method Blank | 86.1 | 79.3 |

**Tracer/Carrier Legend**

Ba = Ba Carrier
Y = Y Carrier

eurofins | Environment Testing

1 2 3 4 5 6 7 8

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 12/4/2025 4:42:04 PM

## JOB DESCRIPTION

Ra-226/228 combined calc

## JOB NUMBER

160-57652-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
12/4/2025 4:42:04 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Receipt Checklists . . . . . 5
Definitions/Glossary . . . . . 6
Method Summary . . . . . 7
Sample Summary . . . . . 8
Client Sample Results . . . . . 9

**Job Narrative**
**160-57652-2**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

**Receipt**
The samples were received on 4/4/2025 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C.

**Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228**
Samples MW-47 (160-57652-1), MW-48 (160-57652-2), MW-49 (160-57652-3) and MW-50 (160-57652-4) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/4/2025.

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-57652-2

**Login Number: 57652**
**List Number: 1**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Samplers name is not on the COC |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

# Definitions/Glossary

Client: TRC Solutions, Inc.
Job ID: 160-57652-2
Project/Site: Ra-226/228 combined calc

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228 combined calc

Job ID: 160-57652-2

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| Ra226_Ra228 Pos | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |

**Protocol References:**

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228 combined calc

Job ID: 160-57652-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 160-57652-1 | MW-47 | Water | 03/20/25 12:05 | 04/04/25 08:50 | Texas |
| 160-57652-2 | MW-48 | Water | 03/20/25 09:55 | 04/04/25 08:50 | Texas |
| 160-57652-3 | MW-49 | Water | 03/20/25 09:10 | 04/04/25 08:50 | Texas |
| 160-57652-4 | MW-50 | Water | 03/20/25 11:25 | 04/04/25 08:50 | Texas |

# Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Ra-226/228 combined calc

Job ID: 160-57652-2

## Client Sample ID: MW-47
**Lab Sample ID: 160-57652-1**
**Date Collected: 03/20/25 12:05**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.737 | | 0.412 | 0.416 | 5.00 | 0.515 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-48
**Lab Sample ID: 160-57652-2**
**Date Collected: 03/20/25 09:55**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.44 | | 0.503 | 0.514 | 5.00 | 0.564 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-49
**Lab Sample ID: 160-57652-3**
**Date Collected: 03/20/25 09:10**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.29 | | 0.516 | 0.523 | 5.00 | 0.637 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-50
**Lab Sample ID: 160-57652-4**
**Date Collected: 03/20/25 11:25**
**Matrix: Water**
**Date Received: 04/04/25 08:50**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.384 | U | 0.394 | 0.395 | 5.00 | 0.579 | pCi/L | | 12/04/25 15:31 | 1 |

# Appendix B

# Quarterly Background Data (May 2025)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

May 19, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25050480**

Laboratory Results for: **NRG Limestone CCR Program**

Dear Lori Burris,

ALS Environmental received 11 sample(s) on May 09, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: ANDREW.NEIR**
Andy C. Neir

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone CCR Program | |
| **WorkOrder:** | **HS25050480** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone CCR Program | |
| **WorkOrder:** | **HS25050480** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 05/19/2025 | | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25050480 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227797,R512897 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 05/19/2025 | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25050480 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227797,R512897 | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | X | | | | |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 05/19/2025 |
| Project Name: NRG Limestone CCR Program | Laboratory Job Number: HS25050480 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 227797,R512897 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 227797, Metals Method SW6020, sample MW-51, MS and MSD recovered outside the control limit for Calcium, however, the result in the parent sample is 4x greater than the spike amount |
| 2 | The analysis for Fluoride was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

**Client:** TRC
**Project:** NRG Limestone CCR Program
**Work Order:** HS25050480

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25050480-01 | MW-47 | Water | | 08-May-2025 10:00 | 09-May-2025 09:57 | ☐ |
| HS25050480-02 | MW-48 | Water | | 08-May-2025 10:50 | 09-May-2025 09:57 | ☐ |
| HS25050480-03 | MW-49 | Water | | 08-May-2025 11:40 | 09-May-2025 09:57 | ☐ |
| HS25050480-04 | MW-50 | Water | | 08-May-2025 11:55 | 09-May-2025 09:57 | ☐ |
| HS25050480-05 | MW-06 | Water | | 08-May-2025 10:40 | 09-May-2025 09:57 | ☐ |
| HS25050480-06 | MW-09 | Water | | 08-May-2025 08:55 | 09-May-2025 09:57 | ☐ |
| HS25050480-07 | MW-16 | Water | | 08-May-2025 08:55 | 09-May-2025 09:57 | ☐ |
| HS25050480-08 | MW-51 | Water | | 08-May-2025 09:55 | 09-May-2025 09:57 | ☐ |
| HS25050480-09 | MW-52 | Water | | 08-May-2025 09:00 | 09-May-2025 09:57 | ☐ |
| HS25050480-10 | MW-53 | Water | | 08-May-2025 09:40 | 09-May-2025 09:57 | ☐ |
| HS25050480-11 | DUP | Water | | 08-May-2025 10:00 | 09-May-2025 09:57 | ☐ |

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-47
Collection Date: 08-May-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0235** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 14:58 |
| **Calcium** | **43.5** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 14:58 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **141** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 17:22 |
| **Sulfate** | **36.0** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 17:17 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **888** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-48
Collection Date: 08-May-2025 10:50

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0191** | J | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:12 |
| **Calcium** | **93.3** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:12 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **307** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 17:28 |
| **Sulfate** | **597** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 17:28 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,540** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-49
Collection Date: 08-May-2025 11:40

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0490** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:14 |
| **Calcium** | **119** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:14 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **287** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 17:40 |
| **Sulfate** | **76.9** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 17:34 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,280** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-50
Collection Date: 08-May-2025 11:55

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.816** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:16 |
| **Calcium** | **324** | | **0.680** | **10.0** | **mg/L** | 20 | 16-May-2025 15:51 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **125** | | **4.00** | **10.0** | **mg/L** | 20 | 14-May-2025 17:46 |
| **Sulfate** | **1,460** | | **4.00** | **10.0** | **mg/L** | 20 | 14-May-2025 17:46 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **2,040** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-06
Collection Date: 08-May-2025 10:40

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0639** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:18 |
| **Calcium** | **39.7** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:18 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **65.5** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 18:15 |
| **Sulfate** | **19.6** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 18:15 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **474** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-09
Collection Date: 08-May-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0390** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:20 |
| **Calcium** | **51.1** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:20 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **334** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 18:27 |
| **Sulfate** | **39.3** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 18:21 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **984** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-16
Collection Date: 08-May-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0426** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:22 |
| **Calcium** | **2.71** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:22 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **4.11** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 18:33 |
| **Sulfate** | **10.5** | | **0.200** | **0.500** | **mg/L** | 1 | 14-May-2025 18:33 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **234** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-51
Collection Date: 08-May-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0335** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 14:27 |
| **Calcium** | **235** | | **0.680** | **10.0** | **mg/L** | 20 | 16-May-2025 15:42 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **931** | | **8.00** | **20.0** | **mg/L** | 40 | 14-May-2025 18:44 |
| **Sulfate** | **106** | | **0.400** | **1.00** | **mg/L** | 2 | 14-May-2025 18:38 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **2,050** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-52
Collection Date: 08-May-2025 09:00

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.183** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:24 |
| **Calcium** | **161** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:24 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **243** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:02 |
| **Sulfate** | **417** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:02 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,310** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-53
Collection Date: 08-May-2025 09:40

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.571** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:26 |
| **Calcium** | **83.2** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:26 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **122** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:07 |
| **Sulfate** | **301** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:07 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,160** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: DUP
Collection Date: 08-May-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25050480
Lab ID:HS25050480-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| **Boron** | **0.0415** | | **0.0110** | **0.0200** | **mg/L** | 1 | 16-May-2025 15:28 |
| **Calcium** | **53.2** | | **0.0340** | **0.500** | **mg/L** | 1 | 16-May-2025 15:28 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **343** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:37 |
| **Sulfate** | **38.2** | | **2.00** | **5.00** | **mg/L** | 10 | 14-May-2025 19:37 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **784** | | **3.00** | **10.0** | **mg/L** | 1 | 10-May-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**Batch ID:** 227797 **Start Date:** 13 May 2025 14:00 **End Date:** 13 May 2025 14:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25050480-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050480-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 227797 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25050480-01 | MW-47 | 08 May 2025 10:00 | | 13 May 2025 14:00 | 16 May 2025 14:58 | 1 |
| HS25050480-02 | MW-48 | 08 May 2025 10:50 | | 13 May 2025 14:00 | 16 May 2025 15:12 | 1 |
| HS25050480-03 | MW-49 | 08 May 2025 11:40 | | 13 May 2025 14:00 | 16 May 2025 15:14 | 1 |
| HS25050480-04 | MW-50 | 08 May 2025 11:55 | | 13 May 2025 14:00 | 16 May 2025 15:51 | 20 |
| HS25050480-04 | MW-50 | 08 May 2025 11:55 | | 13 May 2025 14:00 | 16 May 2025 15:16 | 1 |
| HS25050480-05 | MW-06 | 08 May 2025 10:40 | | 13 May 2025 14:00 | 16 May 2025 15:18 | 1 |
| HS25050480-06 | MW-09 | 08 May 2025 08:55 | | 13 May 2025 14:00 | 16 May 2025 15:20 | 1 |
| HS25050480-07 | MW-16 | 08 May 2025 08:55 | | 13 May 2025 14:00 | 16 May 2025 15:22 | 1 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | 13 May 2025 14:00 | 16 May 2025 15:42 | 20 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | 13 May 2025 14:00 | 16 May 2025 14:27 | 1 |
| HS25050480-09 | MW-52 | 08 May 2025 09:00 | | 13 May 2025 14:00 | 16 May 2025 15:24 | 1 |
| HS25050480-10 | MW-53 | 08 May 2025 09:40 | | 13 May 2025 14:00 | 16 May 2025 15:26 | 1 |
| HS25050480-11 | DUP | 08 May 2025 10:00 | | 13 May 2025 14:00 | 16 May 2025 15:28 | 1 |
| **Batch ID:** R512897 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25050480-01 | MW-47 | 08 May 2025 10:00 | | | 10 May 2025 09:00 | 1 |
| HS25050480-02 | MW-48 | 08 May 2025 10:50 | | | 10 May 2025 09:00 | 1 |
| HS25050480-03 | MW-49 | 08 May 2025 11:40 | | | 10 May 2025 09:00 | 1 |
| HS25050480-04 | MW-50 | 08 May 2025 11:55 | | | 10 May 2025 09:00 | 1 |
| HS25050480-05 | MW-06 | 08 May 2025 10:40 | | | 10 May 2025 09:00 | 1 |
| HS25050480-06 | MW-09 | 08 May 2025 08:55 | | | 10 May 2025 09:00 | 1 |
| HS25050480-07 | MW-16 | 08 May 2025 08:55 | | | 10 May 2025 09:00 | 1 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | | 10 May 2025 09:00 | 1 |
| HS25050480-09 | MW-52 | 08 May 2025 09:00 | | | 10 May 2025 09:00 | 1 |
| HS25050480-10 | MW-53 | 08 May 2025 09:40 | | | 10 May 2025 09:00 | 1 |
| HS25050480-11 | DUP | 08 May 2025 10:00 | | | 10 May 2025 09:00 | 1 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R513166 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25050480-01 | MW-47 | 08 May 2025 10:00 | | | 14 May 2025 17:22 | 10 |
| HS25050480-01 | MW-47 | 08 May 2025 10:00 | | | 14 May 2025 17:17 | 1 |
| HS25050480-02 | MW-48 | 08 May 2025 10:50 | | | 14 May 2025 17:28 | 10 |
| HS25050480-03 | MW-49 | 08 May 2025 11:40 | | | 14 May 2025 17:40 | 10 |
| HS25050480-03 | MW-49 | 08 May 2025 11:40 | | | 14 May 2025 17:34 | 1 |
| HS25050480-04 | MW-50 | 08 May 2025 11:55 | | | 14 May 2025 17:46 | 20 |
| HS25050480-05 | MW-06 | 08 May 2025 10:40 | | | 14 May 2025 18:15 | 1 |
| HS25050480-06 | MW-09 | 08 May 2025 08:55 | | | 14 May 2025 18:27 | 10 |
| HS25050480-06 | MW-09 | 08 May 2025 08:55 | | | 14 May 2025 18:21 | 1 |
| HS25050480-07 | MW-16 | 08 May 2025 08:55 | | | 14 May 2025 18:33 | 1 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | | 14 May 2025 18:44 | 40 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | | 14 May 2025 18:38 | 2 |
| HS25050480-09 | MW-52 | 08 May 2025 09:00 | | | 14 May 2025 19:02 | 10 |
| HS25050480-10 | MW-53 | 08 May 2025 09:40 | | | 14 May 2025 19:07 | 10 |
| HS25050480-11 | DUP | 08 May 2025 10:00 | | | 14 May 2025 19:37 | 10 |
| **Batch ID:** R513260 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25050480-01 | MW-47 | 08 May 2025 10:00 | | | 16 May 2025 08:37 | 1 |
| HS25050480-02 | MW-48 | 08 May 2025 10:50 | | | 16 May 2025 08:37 | 1 |
| HS25050480-03 | MW-49 | 08 May 2025 11:40 | | | 16 May 2025 08:37 | 1 |
| HS25050480-04 | MW-50 | 08 May 2025 11:55 | | | 16 May 2025 08:37 | 1 |
| HS25050480-05 | MW-06 | 08 May 2025 10:40 | | | 16 May 2025 08:37 | 1 |
| HS25050480-06 | MW-09 | 08 May 2025 08:55 | | | 16 May 2025 08:37 | 1 |
| HS25050480-07 | MW-16 | 08 May 2025 08:55 | | | 16 May 2025 08:37 | 1 |
| HS25050480-08 | MW-51 | 08 May 2025 09:55 | | | 16 May 2025 08:37 | 1 |
| HS25050480-09 | MW-52 | 08 May 2025 09:00 | | | 16 May 2025 08:37 | 1 |
| HS25050480-10 | MW-53 | 08 May 2025 09:40 | | | 16 May 2025 08:37 | 1 |
| HS25050480-11 | DUP | 08 May 2025 10:00 | | | 16 May 2025 08:37 | 1 |

WorkOrder: HS25050480
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0100 | 0.00759 | 0.0110 | 0.0200 |
| A | Calcium | 7440-70-2 | 0.250 | 0.105 | 0.0340 | 0.500 |

WorkOrder: HS25050480
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25050480
InstrumentID: ICS-Integrion
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Chloride | 16887-00-6 | 0.250 | 0.286 | 0.200 | 0.500 |
| A | Sulfate | 14808-79-8 | 0.250 | 0.280 | 0.200 | 0.500 |

WorkOrder: HS25050480
InstrumentID: Balance1
Test Code: TDS_W 2540C
Test Number: M2540C
Test Name: Total Dissolved Solids by SM2540C

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Total Dissolved Solids (Residue, Filterable) | TDS | 5.00 | 4.00 | 3.00 | 10.0 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**QC BATCH REPORT**

**Batch ID: 227797 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-227797** Units: **mg/L** Analysis Date: **16-May-2025 14:17**
Client ID: Run ID: **ICPMS06_513291** SeqNo: **8831498** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0110 | 0.0200 | | | | | | | | |
| Calcium | < 0.0340 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-227797** Units: **mg/L** Analysis Date: **16-May-2025 14:19**
Client ID: Run ID: **ICPMS06_513291** SeqNo: **8831499** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4629 | 0.0200 | 0.5 | 0 | 92.6 | 80 - 120 | | | | |
| Calcium | 4.709 | 0.500 | 5 | 0 | 94.2 | 80 - 120 | | | | |

**MS** Sample ID: **HS25050480-08MS** Units: **mg/L** Analysis Date: **16-May-2025 14:29**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831503** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4869 | 0.0200 | 0.5 | 0.03347 | 90.7 | 80 - 120 | | | | |
| Calcium | 237.6 | 0.500 | 5 | 230 | 151 | 80 - 120 | | | | SEO |

**MSD** Sample ID: **HS25050480-08MSD** Units: **mg/L** Analysis Date: **16-May-2025 14:31**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831504** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4906 | 0.0200 | 0.5 | 0.03347 | 91.4 | 80 - 120 | 0.4869 | 0.772 | 20 | |
| Calcium | 240 | 0.500 | 5 | 230 | 200 | 80 - 120 | 237.6 | 1.02 | 20 | SEO |

**PDS** Sample ID: **HS25050480-08PDS** Units: **mg/L** Analysis Date: **16-May-2025 14:33**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831505** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4944 | 0.0200 | 0.5 | 0.03347 | 92.2 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**QC BATCH REPORT**

**Batch ID: 227797 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25050480-08PDS** Units: **mg/L** Analysis Date: **16-May-2025 15:45**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831717** PrepDate: **13-May-2025** DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 415.1 | 10.0 | 200 | 235.4 | 89.9 | 75 - 125 | | | | |

**SD** Sample ID: **HS25050480-08SD** Units: **mg/L** Analysis Date: **16-May-2025 14:21**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831500** PrepDate: **13-May-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0550 | 0.100 | | | | | 0.03347 | 0 | 10 | |

**SD** Sample ID: **HS25050480-08SD** Units: **mg/L** Analysis Date: **16-May-2025 15:44**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8831716** PrepDate: **13-May-2025** DF: **100**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 235.4 | 50.0 | | | | | 235.4 | 0.0143 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25050480-01 | HS25050480-02 | HS25050480-03 | HS25050480-04 |
| HS25050480-05 | HS25050480-06 | HS25050480-07 | HS25050480-08 |
| HS25050480-09 | HS25050480-10 | HS25050480-11 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**QC BATCH REPORT**

**Batch ID: R512897 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-05102025** Units: **mg/L** Analysis Date: **10-May-2025 09:00**
Client ID: Run ID: **Balance1_512897** SeqNo: **8822316** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-05102025** Units: **mg/L** Analysis Date: **10-May-2025 09:00**
Client ID: Run ID: **Balance1_512897** SeqNo: **8822315** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 992 | 10.0 | 1000 | 0 | 99.2 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25050480-08DUP** Units: **mg/L** Analysis Date: **10-May-2025 09:00**
Client ID: **MW-51** Run ID: **Balance1_512897** SeqNo: **8822311** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 2220 | 10.0 | | | | | 2050 | 7.96 | 20 | |

**DUP** Sample ID: **HS25050456-11DUP** Units: **mg/L** Analysis Date: **10-May-2025 09:00**
Client ID: Run ID: **Balance1_512897** SeqNo: **8822302** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 26080 | 10.0 | | | | | 27640 | 5.81 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25050480-01 | HS25050480-02 | HS25050480-03 | HS25050480-04 |
| HS25050480-05 | HS25050480-06 | HS25050480-07 | HS25050480-08 |
| HS25050480-09 | HS25050480-10 | HS25050480-11 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**QC BATCH REPORT**

**Batch ID: R513166 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **14-May-2025 08:02**
Client ID: Run ID: **ICS-Integrion_513166** SeqNo: **8827679** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **14-May-2025 08:08**
Client ID: Run ID: **ICS-Integrion_513166** SeqNo: **8827680** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 20.15 | 0.500 | 20 | 0 | 101 | 90 - 110 | | | | |
| Sulfate | 19.94 | 0.500 | 20 | 0 | 99.7 | 90 - 110 | | | | |

**MS** Sample ID: **HS25050582-01MS** Units: **mg/L** Analysis Date: **14-May-2025 08:49**
Client ID: Run ID: **ICS-Integrion_513166** SeqNo: **8827686** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 779 | 10.0 | 200 | 577.8 | 101 | 80 - 120 | | | | |
| Sulfate | 190.4 | 10.0 | 200 | 0 | 95.2 | 80 - 120 | | | | |

**MS** Sample ID: **HS25050480-08MS** Units: **mg/L** Analysis Date: **14-May-2025 18:50**
Client ID: **MW-51** Run ID: **ICS-Integrion_513166** SeqNo: **8827716** PrepDate: DF: **40**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1313 | 20.0 | 400 | 930.6 | 95.7 | 80 - 120 | | | | |
| Sulfate | 484 | 20.0 | 400 | 93.1 | 97.7 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25050582-01MSD** Units: **mg/L** Analysis Date: **14-May-2025 08:55**
Client ID: Run ID: **ICS-Integrion_513166** SeqNo: **8827687** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 776.3 | 10.0 | 200 | 577.8 | 99.2 | 80 - 120 | 779 | 0.35 | 20 | |
| Sulfate | 189.8 | 10.0 | 200 | 0 | 94.9 | 80 - 120 | 190.4 | 0.317 | 20 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25050480

**QC BATCH REPORT**

**Batch ID:** R513166 ( 0 ) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MSD** Sample ID: **HS25050480-08MSD** Units: **mg/L** Analysis Date: **14-May-2025 18:56**
Client ID: **MW-51** Run ID: **ICS-Integrion_513166** SeqNo: **8827717** PrepDate: DF: **40**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1310 | 20.0 | 400 | 930.6 | 94.9 | 80 - 120 | 1313 | 0.235 | 20 | |
| Sulfate | 482.4 | 20.0 | 400 | 93.1 | 97.3 | 80 - 120 | 484 | 0.319 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25050480-01 | HS25050480-02 | HS25050480-03 | HS25050480-04 |
| HS25050480-05 | HS25050480-06 | HS25050480-07 | HS25050480-08 |
| HS25050480-09 | HS25050480-10 | HS25050480-11 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** **HS25050480**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-38 | 30-Jun-2025 |
| Illinois | 2000322023-11 | 31-Jul-2025 |
| Kansas | E-10352 2023-2024 | 31-Jul-2025 |
| Louisiana | 03087 2023-2024 | 30-Jun-2025 |
| Maine | 2024017 | 23-Jun-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008 | 30-Jun-2025 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oklahoma | 2023-140 | 31-Aug-2025 |
| Pennsylvania | 018 | 30-Jun-2025 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2026 |
| Utah | TX026932023-14 | 31-Jul-2025 |

## Sample Receipt Checklist

**Work Order ID:** HS25050480 **Date/Time Received:** **09-May-2025 09:57**

**Client Name:** TRC-HOU **Received by:** **Paresh M. Giga**

| **Completed By:** | /S/ Kaycee Rogers | 09-May-2025 22:28 | **Reviewed by:** | /S/ Andy C. Neir | 13-May-2025 16:53 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **W** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 2 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:342726, 342725 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 0.4UC/0.4C, 0.5UC/0.5C, 0.7UC/0.7C, 1.1UC/1.1C | IR 36 | |
| Cooler(s)/Kit(s): | 53572, 28137, 53372, 53363 | | |
| Date/Time sample(s) sent to storage: | 05/09/2025 2228 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 1 of 2

COC ID: 342726

**HS25050480**

TRC
WA Parish CCR Program

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 227087 | Project Name | WA Parish CCR Program | A | ICP_TW(B and Ca)- Appendix III |
| Work Order | | Project Number | 528472.0000.0000 | B | 300_W(Cl, SO4)- Appendix III |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan)- App III |
| Send Report To | Lori Burns | Invoice Attn | AP | D | TDS_MW(-300 (TDS)- Appendix III |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston, TX 77079 | G | |
| Phone | (713) 244-1800 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoicepaprocessing@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-47 | 5-8-25 | 1000 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-48 | | 1050 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 3 | MW-49 | | 1140 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 4 | MW-50 | | 1155 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 5 | MW-06 | | 1040 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 6 | MW-09 | | 855 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 7 | MW-16 | | 855 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 8 | MW-51 | | 955 | Water | 2.8 | 3 | X | X | X | X | (MS/MSD) | | | | | | |
| 9 | MW-52 | | 900 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |
| 10 | MW-53 | | 940 | Water | 2.8 | 3 | X | X | X | X | | | | | | | |

**Sampler(s) Please Print & Sign:** Mason Boyd + HMK Team

**Shipment Method:** Drop off @ lab

**Required Turnaround Time: (Check Box)** [ ] [ ] [X] [ ] [ ]

**Results Due Date:**

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Huston Haines | 5/9/25 | 957 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| | | | 5/9/25 09:57 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG CCR; PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| 53372 | 0.4° |
| 28127 | 0.3 |
| 53372 | 0.7° |
| 53363 | 1.1° |

QC Package: (Check One Box Below)

[ ] [ ] [X] [ ] [ ]

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

#36 cl-

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form



COC ID: 342725

**HS25050480**

TRC
WA Parish CCR Program

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | WA Parish CCR Program | A | 109_TW (Boron) - Appendix III |
| Work Order | | Project Number | 528472.0000.0000 | B | 300_W (Cl, SO4) - Appendix III |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) - App III |
| Send Report To | Lori Burns | Invoice Attn | AP | D | TDS_W_2540C (TDS) - Appendix III |
| Address | 11767 Katy Freeway<br>Suite 230 | Address | 11767 Katy Freeway<br>Suite 480 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston, TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1089 | Fax | (713) 244-1089 | I | |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | mw-51-MS | 5-8-25 | 955 | Water | 2.6 | 3 | X | X | X | X | | | | | | | |
| 2 | mw-51-MSD | ↓ | 955 | Water | 2.6 | 3 | X | X | X | X | | | | | | | |
| 3 | DUP | ↓ | 1000 | Water | 2.6 | 3 | X | X | X | X | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| Sampler(s) Please Print & Sign | Shipment Method | Required Turnaround Time: (Check Box) | Results Due Date: |
|---|---|---|---|
| Mason Boud + HMT Team | Drop off @ lab | [ ] [X] [ ] [ ] | |

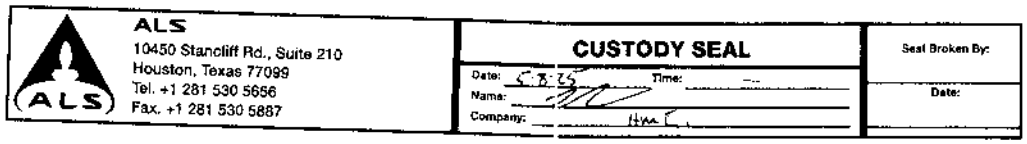
| Relinquished by: | Date: | Time: | Received by: | Notes: NRG UCRC PRIVILEGED & CONFIDENTIAL |
|---|---|---|---|---|
| Austin Haines | 5-9-25 | 957 | | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | Cooler ID / Cooler Temp. / QC Package: (Check One Box Below) |
| | | | 5/9/25 09:57 | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

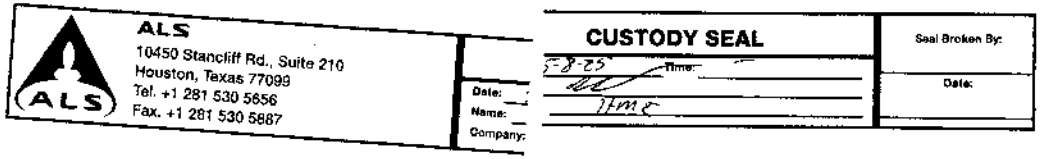
Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

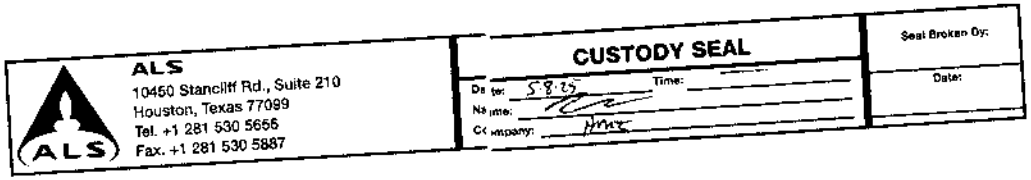
Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

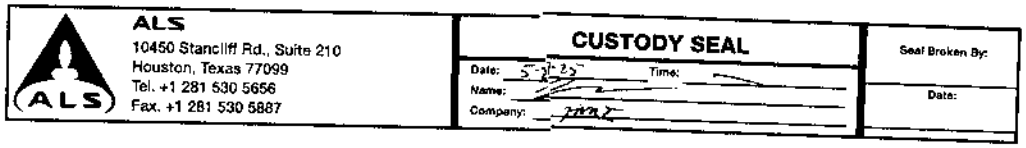
Copyright 2011 by ALS Environmental.

Privileged and Confidential


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5-8-25
Time:
Name:
Company: HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
Date:
Name:
Company:
CUSTODY SEAL
5-8-25
Time:
HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5-8-25
Time:
Name:
Company: HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5-8-25
Time:
Name:
Company: HMS
Seal Broken By:
Date:

16-May-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25050480** Work Order: **25050126**

Dear Andrew,

ALS Environmental received 11 samples on 13-May-2025 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25050480 |
| **Work Order:** | 25050126 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR1_250513A | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25050126 | | |
| Analyst Name: KB | Date: 05/13/25 | Reviewer Name: QN | Date: 5/14/2025 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

## ALS Group, USA

Date: 16-May-25

**Client:** ALS Environmental
**Project:** HS25050480
**Work Order:** **25050126**

# Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25050126-01 | MW-47 | Water | HS25050480-01 | 5/8/2025 10:00 | 5/13/2025 10:30 | ☐ |
| 25050126-02 | MW-48 | Water | HS25050480-02 | 5/8/2025 10:50 | 5/13/2025 10:30 | ☐ |
| 25050126-03 | MW-49 | Water | HS25050480-03 | 5/8/2025 11:40 | 5/13/2025 10:30 | ☐ |
| 25050126-04 | MW-50 | Water | HS25050480-04 | 5/8/2025 11:55 | 5/13/2025 10:30 | ☐ |
| 25050126-05 | MW-06 | Water | HS25050480-05 | 5/8/2025 10:40 | 5/13/2025 10:30 | ☐ |
| 25050126-06 | MW-09 | Water | HS25050480-06 | 5/8/2025 08:55 | 5/13/2025 10:30 | ☐ |
| 25050126-07 | MW-16 | Water | HS25050480-07 | 5/8/2025 08:55 | 5/13/2025 10:30 | ☐ |
| 25050126-08 | MW-51 | Water | HS25050480-08 | 5/8/2025 09:55 | 5/13/2025 10:30 | ☐ |
| 25050126-09 | MW-52 | Water | HS25050480-09 | 5/8/2025 09:00 | 5/13/2025 10:30 | ☐ |
| 25050126-10 | MW-53 | Water | HS25050480-10 | 5/8/2025 09:40 | 5/13/2025 10:30 | ☐ |
| 25050126-11 | DUP | Water | HS25050480-11 | 5/8/2025 10:00 | 5/13/2025 10:30 | ☐ |

**Client:** ALS Environmental
**Project:** HS25050480
**WorkOrder:** **25050126**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25050480
**Work Order:** 25050126

# Case Narrative

Samples for the above noted Work Order were received on 05/13/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.

**Work Order:** 25050126
**Client:** ALS Environmental
**Project:** HS25050480

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R420511 | **Test Name:** Fluoride | | | | | |
| 25050126-01 | MW-47 | Water | 5/8/2025 10:00:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-02 | MW-48 | | 5/8/2025 10:50:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-03 | MW-49 | | 5/8/2025 11:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-04 | MW-50 | | 5/8/2025 11:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-05 | MW-06 | | 5/8/2025 10:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-06 | MW-09 | | 5/8/2025 8:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-07 | MW-16 | | | | | 5/13/2025 05:30 PM |
| 25050126-08 | MW-51 | | 5/8/2025 9:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-09 | MW-52 | | 5/8/2025 9:00:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-10 | MW-53 | | 5/8/2025 9:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050126-11 | DUP | | 5/8/2025 10:00:00 AM | | | 5/13/2025 05:30 PM |

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-47
**Collection Date:** 5/8/2025 10:00 AM

**Work Order:** 25050126
**Lab ID:** 25050126-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.420** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-48
**Collection Date:** 5/8/2025 10:50 AM

**Work Order:** 25050126
**Lab ID:** 25050126-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.230** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-49
**Collection Date:** 5/8/2025 11:40 AM

**Work Order:** 25050126
**Lab ID:** 25050126-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0700** | J | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-50
**Collection Date:** 5/8/2025 11:55 AM

**Work Order:** 25050126
**Lab ID:** 25050126-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-06
**Collection Date:** 5/8/2025 10:40 AM

**Work Order:** 25050126
**Lab ID:** 25050126-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.220** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-09
**Collection Date:** 5/8/2025 08:55 AM

**Work Order:** 25050126
**Lab ID:** 25050126-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-16
**Collection Date:** 5/8/2025 08:55 AM

**Work Order:** 25050126
**Lab ID:** 25050126-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.800** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-51
**Collection Date:** 5/8/2025 09:55 AM

**Work Order:** 25050126
**Lab ID:** 25050126-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.220** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-52
**Collection Date:** 5/8/2025 09:00 AM

**Work Order:** 25050126
**Lab ID:** 25050126-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.200** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** MW-53
**Collection Date:** 5/8/2025 09:40 AM

**Work Order:** 25050126
**Lab ID:** 25050126-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.570** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050480
**Sample ID:** DUP
**Collection Date:** 5/8/2025 10:00 AM

**Work Order:** 25050126
**Lab ID:** 25050126-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.180** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** 16-May-25

**WorkOrder:** 25050126
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

ALS Group, USA

Date: 16-May-25

**Client:** ALS Environmental

**Work Order:** 25050126

**Project:** HS25050480

# QC BATCH REPORT

Batch ID: **R420511** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R420511-R420511** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: Run ID: **TITRATOR 1_250513A** SeqNo: **11483855** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**MBLK** Sample ID: **MB-R420511-R420511** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: Run ID: **TITRATOR 1_250513A** SeqNo: **11483870** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R420511-R420511** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: Run ID: **TITRATOR 1_250513A** SeqNo: **11483856** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5 | 0.058 | 0.10 | 5 | 0 | 100 | 90-111 | 0 | | | |

**LCS** Sample ID: **LCS-R420511-R420511** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: Run ID: **TITRATOR 1_250513A** SeqNo: **11483871** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.12 | 0.058 | 0.10 | 5 | 0 | 102 | 90-111 | 0 | | | |

**MS** Sample ID: **25050126-08A MS** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: **MW-51** Run ID: **TITRATOR 1_250513A** SeqNo: **11483865** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.22 | 101 | 90-111 | 0 | | | |

**MS** Sample ID: **25050127-08A MS** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: Run ID: **TITRATOR 1_250513A** SeqNo: **11483880** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0.23 | 100 | 90-111 | 0 | | | |

**MSD** Sample ID: **25050126-08A MSD** Units: **mg/L** Analysis Date: **5/13/2025 05:30 PM**

Client ID: **MW-51** Run ID: **TITRATOR 1_250513A** SeqNo: **11483866** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0.22 | 100 | 90-111 | 5.29 | 0.95 | 20 | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** ALS Environmental
**Work Order:** 25050126
**Project:** HS25050480

# QC BATCH REPORT

Batch ID: **R420511** Instrument ID **Titrator 1** Method: **A4500-F C-11**

| **MSD** | Sample ID: **25050127-08A MSD** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | | Run ID: **TITRATOR 1_250513A** | | | SeqNo: **11483881** | | Prep Date: | | DF: **1** | | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.31 | 0.058 | 0.10 | 5 | 0.23 | 102 | 90-111 | 5.24 | 1.33 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25050126-01A | 25050126-02A | 25050126-03A |
| 25050126-04A | 25050126-05A | 25050126-06A |
| 25050126-07A | 25050126-08A | 25050126-09A |
| 25050126-10A | 25050126-11A | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

# 25050126

ALS - HOUSTON: ALS Environmental
Project: HS

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

## Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **28645**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25050480 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25050480-01** | **MW-47** | **Water** | **08 May 2025 10:00** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 2. | **HS25050480-02** | **MW-48** | **Water** | **08 May 2025 10:50** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 3. | **HS25050480-03** | **MW-49** | **Water** | **08 May 2025 11:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 4. | **HS25050480-04** | **MW-50** | **Water** | **08 May 2025 11:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 5. | **HS25050480-05** | **MW-06** | **Water** | **08 May 2025 10:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 6. | **HS25050480-06** | **MW-09** | **Water** | **08 May 2025 08:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 7. | **HS25050480-07** | **MW-16** | **Water** | **08 May 2025 08:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 8. | **HS25050480-08** | **MW-51** | **Water** | **08 May 2025 09:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 9. | **HS25050480-09** | **MW-52** | **Water** | **08 May 2025 09:00** |

RIGHT SOLUTIONS | RIGHT PARTNER

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID: 28645**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| **10.** | **HS25050480-10** | **MW-53** | **Water** | **08 May 2025 09:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| **11.** | **HS25050480-11** | **DUP** | **Water** | **08 May 2025 10:00** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By:

Received By:

Cooler ID(s):

Date/Time: 5/12/25 1820

Date/Time: 5-13-25

Temperature(s): 0.6

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **13-May-25 10:30**

Work Order: **25050126** Received by: **JD**

Checklist completed by Jason Delinger 13-May-25 Reviewed by: Chelsey Cook 14-May-25
eSignature Date eSignature Date

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 0.6/0.6 C | IR6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | ;5/13/2025 11:14:21 AM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

May 19, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25050481**

Laboratory Results for: **NRG Limestone - Appendix IV**

Dear Lori Burris,

ALS Environmental received 11 sample(s) on May 09, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: ANDREW.NEIR**
Andy C. Neir

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone - Appendix IV | |
| **WorkOrder:** | **HS25050481** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | |
|---|---|
| **Client:** | TRC |
| **Project:** | NRG Limestone - Appendix IV |
| **WorkOrder:** | **HS25050481** |

**TRRP Laboratory Data Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 05/19/2025 | | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25050480 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227797,R512897 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 05/19/2025 | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25050480 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 227797,R512897 | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | X | | | | |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 05/19/2025 |
| Project Name: NRG Limestone CCR Program | Laboratory Job Number: HS25050480 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 227797,R512897 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 227797, Metals Method SW6020, sample MW-51, MS and MSD recovered outside the control limit for Calcium, however, the result in the parent sample is 4x greater than the spike amount |
| 2 | The analysis for Fluoride was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481
Start Date: 16-May-2025 End Date: 16-May-2025

Run ID:ICPMS06_513291
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| ICV | 1 | 16-May-2025 10:05 | 018_ICV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLICV5 | 1 | 16-May-2025 10:07 | 019LCV5.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLICV2 | 1 | 16-May-2025 10:09 | 020LCV2.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICB | 1 | 16-May-2025 10:11 | 021_ICB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSA | 1 | 16-May-2025 10:18 | 023ICSA.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSAB | 1 | 16-May-2025 10:20 | 024ICSB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 1 | 1 | 16-May-2025 10:26 | 027_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 1 | 1 | 16-May-2025 10:28 | 028_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 2 | 1 | 16-May-2025 10:50 | 039_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 2 | 1 | 16-May-2025 10:52 | 040_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 3 | 1 | 16-May-2025 11:06 | 047_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 3 | 1 | 16-May-2025 11:07 | 048_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 4 | 1 | 16-May-2025 11:35 | 059_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 4 | 1 | 16-May-2025 11:37 | 060_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 5 | 1 | 16-May-2025 11:53 | 068_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 5 | 1 | 16-May-2025 11:55 | 069_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 6 | 1 | 16-May-2025 12:11 | 077_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 6 | 1 | 16-May-2025 12:13 | 078_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 7 | 1 | 16-May-2025 13:01 | 089_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 7 | 1 | 16-May-2025 13:03 | 090_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 8 | 1 | 16-May-2025 13:35 | 101_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 8 | 1 | 16-May-2025 13:36 | 102_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 9 | 1 | 16-May-2025 14:12 | 111_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 9 | 1 | 16-May-2025 14:14 | 112_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 10 | 1 | 16-May-2025 14:38 | 122_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 10 | 1 | 16-May-2025 14:40 | 123_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 11 | 1 | 16-May-2025 15:07 | 134_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 11 | 1 | 16-May-2025 15:09 | 135_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 12 | 1 | 16-May-2025 15:33 | 146_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 12 | 1 | 16-May-2025 15:35 | 147_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 13 | 1 | 16-May-2025 16:02 | 156_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 13 | 1 | 16-May-2025 16:04 | 157_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 14 | 1 | 16-May-2025 16:29 | 168_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 14 | 1 | 16-May-2025 16:31 | 169_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 15 | 1 | 16-May-2025 16:45 | 174_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 15 | 1 | 16-May-2025 16:47 | 175_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MBLK-227798 | 1 | 16-May-2025 16:49 | 176SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LCS-227798 | 1 | 16-May-2025 16:51 | 177SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51SD | 5 | 16-May-2025 16:53 | 178SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51 | 1 | 16-May-2025 16:57 | 180SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51MS | 1 | 16-May-2025 16:59 | 181SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51MSD | 1 | 16-May-2025 17:01 | 182SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51PDS | 1 | 16-May-2025 17:03 | 183SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 16 | 1 | 16-May-2025 17:07 | 185_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 16 | 1 | 16-May-2025 17:09 | 186_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-47 | 1 | 16-May-2025 17:19 | 191SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48 | 1 | 16-May-2025 17:21 | 192SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-49 | 1 | 16-May-2025 17:23 | 193SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-50 | 1 | 16-May-2025 17:25 | 194SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-06 | 1 | 16-May-2025 17:27 | 195SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481
Start Date: 16-May-2025 End Date: 16-May-2025

Run ID:ICPMS06_513291
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| CCV 17 | 1 | 16-May-2025 17:31 | 197_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 17 | 1 | 16-May-2025 17:33 | 198_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-09 | 1 | 16-May-2025 17:35 | 199SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-16 | 1 | 16-May-2025 17:37 | 200SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-52 | 1 | 16-May-2025 17:39 | 201SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-53 | 1 | 16-May-2025 17:41 | 202SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| DUP | 1 | 16-May-2025 17:43 | 203SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 18 | 1 | 16-May-2025 17:49 | 206_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 18 | 1 | 16-May-2025 17:51 | 207_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLCCV2 | 1 | 16-May-2025 17:53 | 208LCV2.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLCCV5 | 1 | 16-May-2025 17:55 | 209LCV5.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSA | 1 | 16-May-2025 17:57 | 210ICSA.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSAB | 1 | 16-May-2025 17:59 | 211ICSB.d | AS BA BE CD CO CR LI MO PB SB SE TL |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

Run ID:ICPMS06_513291
Instrument:ICPMS06
Method:SW6020A

| CCB 5 | Date: 16-May-2025 11:55 | Seq: 8830991 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.202 | 0.2 | 2 | |

| CCB 7 | Date: 16-May-2025 13:03 | Seq: 8831122 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.283 | 0.2 | 2 | |

| CCB 8 | Date: 16-May-2025 13:36 | Seq: 8831134 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.246 | 0.2 | 2 | |

| CCB 9 | Date: 16-May-2025 14:14 | Seq: 8831315 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.293 | 0.2 | 2 | |

| CCB 10 | Date: 16-May-2025 14:40 | Seq: 8831508 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.272 | 0.2 | 2 | |

| CCB 11 | Date: 16-May-2025 15:09 | Seq: 8831674 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.269 | 0.2 | 2 | |

| CCB 12 | Date: 16-May-2025 15:35 | Seq: 8831713 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.236 | 0.2 | 2 | |

| CCB 13 | Date: 16-May-2025 16:04 | Seq: 8831750 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.236 | 0.2 | 2 | |

| CCB 14 | Date: 16-May-2025 16:31 | Seq: 8831800 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.231 | 0.2 | 2 | |

| CCB 15 | Date: 16-May-2025 16:47 | Seq: 8831818 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.229 | 0.2 | 2 | |

| CCB 16 | Date: 16-May-2025 17:09 | Seq: 8832433 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.214 | 0.2 | 2 | |

| CCB 17 | Date: 16-May-2025 17:33 | Seq: 8832445 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.226 | 0.2 | 2 | |

| CCB 18 | Date: 16-May-2025 17:51 | Seq: 8832454 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Thallium | 0.231 | 0.2 | 2 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**Work Order:** HS25050481

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25050481-01 | MW-47 | Water | | 08-May-2025 10:00 | 09-May-2025 09:57 | ☐ |
| HS25050481-02 | MW-48 | Water | | 08-May-2025 10:50 | 09-May-2025 09:57 | ☐ |
| HS25050481-03 | MW-49 | Water | | 08-May-2025 11:40 | 09-May-2025 09:57 | ☐ |
| HS25050481-04 | MW-50 | Water | | 08-May-2025 11:55 | 09-May-2025 09:57 | ☐ |
| HS25050481-05 | MW-06 | Water | | 08-May-2025 10:40 | 09-May-2025 09:57 | ☐ |
| HS25050481-06 | MW-09 | Water | | 08-May-2025 08:55 | 09-May-2025 09:57 | ☐ |
| HS25050481-07 | MW-16 | Water | | 08-May-2025 08:55 | 09-May-2025 09:57 | ☐ |
| HS25050481-08 | MW-51 | Water | | 08-May-2025 09:55 | 09-May-2025 09:57 | ☐ |
| HS25050481-09 | MW-52 | Water | | 08-May-2025 09:00 | 09-May-2025 09:57 | ☐ |
| HS25050481-10 | MW-53 | Water | | 08-May-2025 09:40 | 09-May-2025 09:57 | ☐ |
| HS25050481-11 | DUP | Water | | 08-May-2025 10:00 | 09-May-2025 09:57 | ☐ |

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-47
Collection Date: 08-May-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| **Arsenic** | **0.00334** | | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:19 |
| **Barium** | **0.125** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:19 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:19 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| **Lithium** | **0.0133** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:19 |
| **Molybdenum** | **0.00141** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:19 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:19 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:37 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-48
Collection Date: 08-May-2025 10:50

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| **Arsenic** | **0.00172** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:21 |
| **Barium** | **0.0799** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:21 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:21 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| **Lithium** | **0.0139** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:21 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 17:21 |
| **Selenium** | **0.00149** | J | **0.00110** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:21 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:21 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| **Mercury** | **0.0000500** | J | **0.0000300** | **0.000200** | **mg/L** | 1 | 16-May-2025 15:44 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-49
Collection Date: 08-May-2025 11:40

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| **Arsenic** | **0.0171** | | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:23 |
| **Barium** | **1.23** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:23 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:23 |
| **Cobalt** | **0.0358** | | **0.000530** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:23 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| **Lithium** | **0.00115** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:23 |
| **Molybdenum** | **0.000672** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:23 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:23 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:46 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-50
Collection Date: 08-May-2025 11:55

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| **Arsenic** | **0.000423** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:25 |
| **Barium** | **0.0164** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:25 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:25 |
| **Cobalt** | **0.00562** | | **0.000530** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:25 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| **Lithium** | **0.0186** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:25 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 17:25 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:25 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:48 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-06
Collection Date: 08-May-2025 10:40

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| **Arsenic** | **0.00184** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:27 |
| **Barium** | **0.113** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:27 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| **Chromium** | **0.000406** | J | **0.000400** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:27 |
| **Cobalt** | **0.000728** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:27 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| **Lithium** | **0.00515** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:27 |
| **Molybdenum** | **0.000620** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:27 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:27 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:50 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-09
Collection Date: 08-May-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| **Arsenic** | **0.000951** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:35 |
| **Barium** | **0.207** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:35 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:35 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| **Lithium** | **0.0269** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:35 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 17:35 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:35 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:51 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-16
Collection Date: 08-May-2025 08:55

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| **Arsenic** | **0.00218** | | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:37 |
| **Barium** | **0.0325** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:37 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| **Chromium** | **0.000666** | J | **0.000400** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:37 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| **Lithium** | **0.00360** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:37 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 17:37 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:37 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| **Mercury** | **0.0000730** | J | **0.0000300** | **0.000200** | **mg/L** | 1 | 16-May-2025 15:53 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-51
Collection Date: 08-May-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 16:57 |
| **Arsenic** | **0.000451** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 16:57 |
| **Barium** | **0.303** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 16:57 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 16:57 |
| **Cadmium** | **0.00104** | J | **0.000200** | **0.00200** | **mg/L** | 1 | 16-May-2025 16:57 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 16:57 |
| **Cobalt** | **0.00126** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 16-May-2025 16:57 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 16:57 |
| **Lithium** | **0.0462** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 16:57 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 16:57 |
| **Selenium** | **0.00177** | J | **0.00110** | **0.00200** | **mg/L** | 1 | 16-May-2025 16:57 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 16:57 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 15:55 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-52
Collection Date: 08-May-2025 09:00

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| **Arsenic** | **0.000847** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:39 |
| **Barium** | **0.0678** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:39 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| **Chromium** | **0.000438** | J | **0.000400** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:39 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| **Lithium** | **0.0366** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:39 |
| **Molybdenum** | **0.00108** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:39 |
| **Selenium** | **0.00729** | | **0.00110** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:39 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:39 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 16:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-53
Collection Date: 08-May-2025 09:40

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:41 |
| **Arsenic** | **0.00181** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:41 |
| **Barium** | **0.230** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:41 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:41 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:41 |
| **Chromium** | **0.000477** | J | **0.000400** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:41 |
| **Cobalt** | **0.000612** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:41 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:41 |
| **Lithium** | **0.00982** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:41 |
| **Molybdenum** | **0.00300** | J | **0.000600** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:41 |
| **Selenium** | **0.00128** | J | **0.00110** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:41 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:41 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 16:05 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: DUP
Collection Date: 08-May-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25050481
Lab ID:HS25050481-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 13-May-2025 | | Analyst: JC |
| Antimony | < 0.000400 | | 0.000400 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| **Arsenic** | **0.000936** | J | **0.000400** | **0.00200** | **mg/L** | 1 | 16-May-2025 17:43 |
| **Barium** | **0.200** | | **0.00190** | **0.00400** | **mg/L** | 1 | 16-May-2025 17:43 |
| Beryllium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| Cadmium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| Chromium | < 0.000400 | | 0.000400 | 0.00400 | mg/L | 1 | 16-May-2025 17:43 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| Lead | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| **Lithium** | **0.0261** | | **0.00100** | **0.00500** | **mg/L** | 1 | 16-May-2025 17:43 |
| Molybdenum | < 0.000600 | | 0.000600 | 0.00500 | mg/L | 1 | 16-May-2025 17:43 |
| Selenium | < 0.00110 | | 0.00110 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| Thallium | < 0.000200 | | 0.000200 | 0.00200 | mg/L | 1 | 16-May-2025 17:43 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 16-May-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 16-May-2025 16:07 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 16-May-2025 08:37 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

**Batch ID:** 227798 **Start Date:** 13 May 2025 15:00 **End Date:** 13 May 2025 15:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25050481-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 227943 **Start Date:** 16 May 2025 07:00 **End Date:** 16 May 2025 07:00
**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25050481-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25050481-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 227798 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25050481-01 | MW-47 | 08 May 2025 10:00 | | 13 May 2025 15:00 | 16 May 2025 17:19 | 1 |
| HS25050481-02 | MW-48 | 08 May 2025 10:50 | | 13 May 2025 15:00 | 16 May 2025 17:21 | 1 |
| HS25050481-03 | MW-49 | 08 May 2025 11:40 | | 13 May 2025 15:00 | 16 May 2025 17:23 | 1 |
| HS25050481-04 | MW-50 | 08 May 2025 11:55 | | 13 May 2025 15:00 | 16 May 2025 17:25 | 1 |
| HS25050481-05 | MW-06 | 08 May 2025 10:40 | | 13 May 2025 15:00 | 16 May 2025 17:27 | 1 |
| HS25050481-06 | MW-09 | 08 May 2025 08:55 | | 13 May 2025 15:00 | 16 May 2025 17:35 | 1 |
| HS25050481-07 | MW-16 | 08 May 2025 08:55 | | 13 May 2025 15:00 | 16 May 2025 17:37 | 1 |
| HS25050481-08 | MW-51 | 08 May 2025 09:55 | | 13 May 2025 15:00 | 16 May 2025 16:57 | 1 |
| HS25050481-09 | MW-52 | 08 May 2025 09:00 | | 13 May 2025 15:00 | 16 May 2025 17:39 | 1 |
| HS25050481-10 | MW-53 | 08 May 2025 09:40 | | 13 May 2025 15:00 | 16 May 2025 17:41 | 1 |
| HS25050481-11 | DUP | 08 May 2025 10:00 | | 13 May 2025 15:00 | 16 May 2025 17:43 | 1 |
| **Batch ID:** 227943 ( 0 ) | **Test Name :** MERCURY BY SW7470A | | | | **Matrix:** Water | |
| HS25050481-01 | MW-47 | 08 May 2025 10:00 | | 16 May 2025 07:00 | 16 May 2025 15:37 | 1 |
| HS25050481-02 | MW-48 | 08 May 2025 10:50 | | 16 May 2025 07:00 | 16 May 2025 15:44 | 1 |
| HS25050481-03 | MW-49 | 08 May 2025 11:40 | | 16 May 2025 07:00 | 16 May 2025 15:46 | 1 |
| HS25050481-04 | MW-50 | 08 May 2025 11:55 | | 16 May 2025 07:00 | 16 May 2025 15:48 | 1 |
| HS25050481-05 | MW-06 | 08 May 2025 10:40 | | 16 May 2025 07:00 | 16 May 2025 15:50 | 1 |
| HS25050481-06 | MW-09 | 08 May 2025 08:55 | | 16 May 2025 07:00 | 16 May 2025 15:51 | 1 |
| HS25050481-07 | MW-16 | 08 May 2025 08:55 | | 16 May 2025 07:00 | 16 May 2025 15:53 | 1 |
| HS25050481-08 | MW-51 | 08 May 2025 09:55 | | 16 May 2025 07:00 | 16 May 2025 15:55 | 1 |
| HS25050481-09 | MW-52 | 08 May 2025 09:00 | | 16 May 2025 07:00 | 16 May 2025 16:00 | 1 |
| HS25050481-10 | MW-53 | 08 May 2025 09:40 | | 16 May 2025 07:00 | 16 May 2025 16:05 | 1 |
| HS25050481-11 | DUP | 08 May 2025 10:00 | | 16 May 2025 07:00 | 16 May 2025 16:07 | 1 |
| **Batch ID:** R513260 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25050481-01 | MW-47 | 08 May 2025 10:00 | | | 16 May 2025 08:37 | 1 |
| HS25050481-02 | MW-48 | 08 May 2025 10:50 | | | 16 May 2025 08:37 | 1 |
| HS25050481-03 | MW-49 | 08 May 2025 11:40 | | | 16 May 2025 08:37 | 1 |
| HS25050481-04 | MW-50 | 08 May 2025 11:55 | | | 16 May 2025 08:37 | 1 |
| HS25050481-05 | MW-06 | 08 May 2025 10:40 | | | 16 May 2025 08:37 | 1 |
| HS25050481-06 | MW-09 | 08 May 2025 08:55 | | | 16 May 2025 08:37 | 1 |
| HS25050481-07 | MW-16 | 08 May 2025 08:55 | | | 16 May 2025 08:37 | 1 |
| HS25050481-08 | MW-51 | 08 May 2025 09:55 | | | 16 May 2025 08:37 | 1 |
| HS25050481-09 | MW-52 | 08 May 2025 09:00 | | | 16 May 2025 08:37 | 1 |
| HS25050481-10 | MW-53 | 08 May 2025 09:40 | | | 16 May 2025 08:37 | 1 |
| HS25050481-11 | DUP | 08 May 2025 10:00 | | | 16 May 2025 08:37 | 1 |

WorkOrder: HS25050481
InstrumentID: HG04
Test Code: HG_W
Test Number: SW7470A
Test Name: Mercury by SW7470A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Mercury | 7439-97-6 | 0.000100 | 0.000107 | 0.0000300 | 0.000200 |

WorkOrder: HS25050481
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Antimony | 7440-36-0 | 0.00100 | 0.00104 | 0.000400 | 0.00200 |
| A | Arsenic | 7440-38-2 | 0.00100 | 0.00102 | 0.000400 | 0.00200 |
| A | Barium | 7440-39-3 | 0.00200 | 0.000994 | 0.00190 | 0.00400 |
| A | Beryllium | 7440-41-7 | 0.00100 | 0.000850 | 0.000200 | 0.00200 |
| A | Cadmium | 7440-43-9 | 0.00100 | 0.00101 | 0.000200 | 0.00200 |
| A | Chromium | 7440-47-3 | 0.00200 | 0.00246 | 0.000400 | 0.00400 |
| A | Cobalt | 7440-48-4 | 0.00250 | 0.00101 | 0.000530 | 0.00200 |
| A | Lead | 7439-92-1 | 0.00100 | 0.000912 | 0.000600 | 0.00200 |
| A | Lithium | 7439-93-2 | 0.00250 | 0.000623 | 0.00100 | 0.00500 |
| A | Molybdenum | 7439-98-7 | 0.00250 | 0.000996 | 0.000600 | 0.00500 |
| A | Selenium | 7782-49-2 | 0.00100 | 0.000880 | 0.00110 | 0.00200 |
| A | Thallium | 7440-28-0 | 0.00100 | 0.00115 | 0.000200 | 0.00200 |

WorkOrder: HS25050481
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

**QC BATCH REPORT**

**Batch ID: 227798 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-227798** Units: **mg/L** Analysis Date: **16-May-2025 16:49**
Client ID: Run ID: **ICPMS06_513291** SeqNo: **8832423** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000400 | 0.00200 | | | | | | | | |
| Arsenic | < 0.000400 | 0.00200 | | | | | | | | |
| Barium | < 0.00190 | 0.00400 | | | | | | | | |
| Beryllium | < 0.000200 | 0.00200 | | | | | | | | |
| Cadmium | < 0.000200 | 0.00200 | | | | | | | | |
| Chromium | < 0.000400 | 0.00400 | | | | | | | | |
| Cobalt | < 0.000530 | 0.00200 | | | | | | | | |
| Lead | < 0.000600 | 0.00200 | | | | | | | | |
| Lithium | < 0.00100 | 0.00500 | | | | | | | | |
| Molybdenum | < 0.000600 | 0.00500 | | | | | | | | |
| Selenium | < 0.00110 | 0.00200 | | | | | | | | |
| Thallium | < 0.000200 | 0.00200 | | | | | | | | |

**LCS** Sample ID: **LCS-227798** Units: **mg/L** Analysis Date: **16-May-2025 16:51**
Client ID: Run ID: **ICPMS06_513291** SeqNo: **8832424** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04354 | 0.00200 | 0.05 | 0 | 87.1 | 80 - 120 | | | | |
| Arsenic | 0.04468 | 0.00200 | 0.05 | 0 | 89.4 | 80 - 120 | | | | |
| Barium | 0.04435 | 0.00400 | 0.05 | 0 | 88.7 | 80 - 120 | | | | |
| Beryllium | 0.04488 | 0.00200 | 0.05 | 0 | 89.8 | 80 - 120 | | | | |
| Cadmium | 0.04755 | 0.00200 | 0.05 | 0 | 95.1 | 80 - 120 | | | | |
| Chromium | 0.04768 | 0.00400 | 0.05 | 0 | 95.4 | 80 - 120 | | | | |
| Cobalt | 0.04605 | 0.00200 | 0.05 | 0 | 92.1 | 80 - 120 | | | | |
| Lead | 0.04373 | 0.00200 | 0.05 | 0 | 87.5 | 80 - 120 | | | | |
| Lithium | 0.09283 | 0.00500 | 0.1 | 0 | 92.8 | 80 - 120 | | | | |
| Molybdenum | 0.04256 | 0.00500 | 0.05 | 0 | 85.1 | 80 - 120 | | | | |
| Selenium | 0.04328 | 0.00200 | 0.05 | 0 | 86.6 | 80 - 120 | | | | |
| Thallium | 0.04498 | 0.00200 | 0.05 | 0 | 90.0 | 80 - 120 | | | | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

**QC BATCH REPORT**

**Batch ID: 227798 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25050481-08MS** Units: **mg/L** Analysis Date: **16-May-2025 16:59**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8832428** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04347 | 0.00200 | 0.05 | 0.000074 | 86.8 | 80 - 120 | | | | |
| Arsenic | 0.04606 | 0.00200 | 0.05 | 0.000451 | 91.2 | 80 - 120 | | | | |
| Barium | 0.3535 | 0.00400 | 0.05 | 0.3026 | 102 | 80 - 120 | | | | O |
| Beryllium | 0.04573 | 0.00200 | 0.05 | 0.000029 | 91.4 | 80 - 120 | | | | |
| Cadmium | 0.04591 | 0.00200 | 0.05 | 0.001045 | 89.7 | 80 - 120 | | | | |
| Chromium | 0.04602 | 0.00400 | 0.05 | 0.000337 | 91.4 | 80 - 120 | | | | |
| Cobalt | 0.04522 | 0.00200 | 0.05 | 0.001261 | 87.9 | 80 - 120 | | | | |
| Lead | 0.04494 | 0.00200 | 0.05 | 0.000368 | 89.2 | 80 - 120 | | | | |
| Lithium | 0.1431 | 0.00500 | 0.1 | 0.0462 | 96.9 | 80 - 120 | | | | |
| Molybdenum | 0.04406 | 0.00500 | 0.05 | 0.000589 | 86.9 | 80 - 120 | | | | |
| Selenium | 0.045 | 0.00200 | 0.05 | 0.001766 | 86.5 | 80 - 120 | | | | |
| Thallium | 0.03912 | 0.00200 | 0.05 | -0.000006 | 78.3 | 80 - 120 | | | | S |

**MSD** Sample ID: **HS25050481-08MSD** Units: **mg/L** Analysis Date: **16-May-2025 17:01**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8832429** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04167 | 0.00200 | 0.05 | 0.000074 | 83.2 | 80 - 120 | 0.04347 | 4.24 | 20 | |
| Arsenic | 0.0446 | 0.00200 | 0.05 | 0.000451 | 88.3 | 80 - 120 | 0.04606 | 3.22 | 20 | |
| Barium | 0.345 | 0.00400 | 0.05 | 0.3026 | 84.9 | 80 - 120 | 0.3535 | 2.43 | 20 | O |
| Beryllium | 0.04469 | 0.00200 | 0.05 | 0.000029 | 89.3 | 80 - 120 | 0.04573 | 2.29 | 20 | |
| Cadmium | 0.0451 | 0.00200 | 0.05 | 0.001045 | 88.1 | 80 - 120 | 0.04591 | 1.77 | 20 | |
| Chromium | 0.04331 | 0.00400 | 0.05 | 0.000337 | 85.9 | 80 - 120 | 0.04602 | 6.08 | 20 | |
| Cobalt | 0.04325 | 0.00200 | 0.05 | 0.001261 | 84.0 | 80 - 120 | 0.04522 | 4.46 | 20 | |
| Lead | 0.04382 | 0.00200 | 0.05 | 0.000368 | 86.9 | 80 - 120 | 0.04494 | 2.52 | 20 | |
| Lithium | 0.1403 | 0.00500 | 0.1 | 0.0462 | 94.1 | 80 - 120 | 0.1431 | 1.96 | 20 | |
| Molybdenum | 0.04342 | 0.00500 | 0.05 | 0.000589 | 85.7 | 80 - 120 | 0.04406 | 1.46 | 20 | |
| Selenium | 0.04332 | 0.00200 | 0.05 | 0.001766 | 83.1 | 80 - 120 | 0.045 | 3.82 | 20 | |
| Thallium | 0.03849 | 0.00200 | 0.05 | -0.000006 | 77.0 | 80 - 120 | 0.03912 | 1.62 | 20 | S |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

**QC BATCH REPORT**

**Batch ID: 227798 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25050481-08PDS** Units: **mg/L** Analysis Date: **16-May-2025 17:03**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8832430** PrepDate: **13-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.08419 | 0.00200 | 0.1 | 0.000074 | 84.1 | 75 - 125 | | | | |
| Arsenic | 0.09027 | 0.00200 | 0.1 | 0.000451 | 89.8 | 75 - 125 | | | | |
| Barium | 0.3935 | 0.00400 | 0.1 | 0.3026 | 90.9 | 75 - 125 | | | | |
| Beryllium | 0.08867 | 0.00200 | 0.1 | 0.000029 | 88.6 | 75 - 125 | | | | |
| Cadmium | 0.09225 | 0.00200 | 0.1 | 0.001045 | 91.2 | 75 - 125 | | | | |
| Chromium | 0.08866 | 0.00400 | 0.1 | 0.000337 | 88.3 | 75 - 125 | | | | |
| Cobalt | 0.09159 | 0.00200 | 0.1 | 0.001261 | 90.3 | 75 - 125 | | | | |
| Lead | 0.09142 | 0.00200 | 0.1 | 0.000368 | 91.1 | 75 - 125 | | | | |
| Lithium | 0.1299 | 0.00500 | 0.1 | 0.0462 | 83.7 | 70 - 125 | | | | |
| Molybdenum | 0.08657 | 0.00500 | 0.1 | 0.000589 | 86.0 | 75 - 125 | | | | |
| Selenium | 0.08702 | 0.00200 | 0.1 | 0.001766 | 85.3 | 75 - 125 | | | | |
| Thallium | 0.1046 | 0.00200 | 0.1 | -0.000006 | 105 | 75 - 125 | | | | |

**SD** Sample ID: **HS25050481-08SD** Units: **mg/L** Analysis Date: **16-May-2025 16:53**
Client ID: **MW-51** Run ID: **ICPMS06_513291** SeqNo: **8832425** PrepDate: **13-May-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00200 | 0.0100 | | | | | 0.000074 | 0 | 10 | |
| Arsenic | < 0.00200 | 0.0100 | | | | | 0.000451 | 0 | 10 | |
| Barium | 0.2915 | 0.0200 | | | | | 0.3026 | 3.67 | 10 | |
| Beryllium | < 0.00100 | 0.0100 | | | | | 0.000029 | 0 | 10 | |
| Cadmium | 0.001062 | 0.0100 | | | | | 0.001045 | 0 | 10 | J |
| Chromium | < 0.00200 | 0.0200 | | | | | 0.000337 | 0 | 10 | |
| Cobalt | < 0.00265 | 0.0100 | | | | | 0.001261 | 0 | 10 | |
| Lead | < 0.00300 | 0.0100 | | | | | 0.000368 | 0 | 10 | |
| Lithium | 0.0473 | 0.0250 | | | | | 0.0462 | 2.37 | 10 | |
| Molybdenum | < 0.00300 | 0.0250 | | | | | 0.000589 | 0 | 10 | |
| Selenium | < 0.00550 | 0.0100 | | | | | 0.001766 | 0 | 10 | |
| Thallium | < 0.00100 | 0.0100 | | | | | -0.000006 | 0 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25050481-01 | HS25050481-02 | HS25050481-03 | HS25050481-04 |
| HS25050481-05 | HS25050481-06 | HS25050481-07 | HS25050481-08 |
| HS25050481-09 | HS25050481-10 | HS25050481-11 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25050481

**QC BATCH REPORT**

**Batch ID: 227943 ( 0 )** **Instrument: HG04** **Method: MERCURY BY SW7470A**

**MBLK** Sample ID: **MBLK-227943** Units: **mg/L** Analysis Date: **16-May-2025 15:16**
Client ID: Run ID: **HG04_513335** SeqNo: **8831721** PrepDate: **16-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | < 0.0000300 | 0.000200 | | | | | | | | |

**LCS** Sample ID: **LCS-227943** Units: **mg/L** Analysis Date: **16-May-2025 15:21**
Client ID: Run ID: **HG04_513335** SeqNo: **8831722** PrepDate: **16-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00546 | 0.000200 | 0.005 | 0 | 109 | 80 - 120 | | | | |

**MS** Sample ID: **HS25050481-08MS** Units: **mg/L** Analysis Date: **16-May-2025 15:56**
Client ID: **MW-51** Run ID: **HG04_513335** SeqNo: **8831741** PrepDate: **16-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00496 | 0.000200 | 0.005 | 0.000021 | 98.8 | 75 - 125 | | | | |

**MSD** Sample ID: **HS25050481-08MSD** Units: **mg/L** Analysis Date: **16-May-2025 15:58**
Client ID: **MW-51** Run ID: **HG04_513335** SeqNo: **8831742** PrepDate: **16-May-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00485 | 0.000200 | 0.005 | 0.000021 | 96.6 | 75 - 125 | 0.00496 | 2.24 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25050481-01 | HS25050481-02 | HS25050481-03 | HS25050481-04 |
| HS25050481-05 | HS25050481-06 | HS25050481-07 | HS25050481-08 |
| HS25050481-09 | HS25050481-10 | HS25050481-11 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** **HS25050481**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-38 | 30-Jun-2025 |
| Illinois | 2000322023-11 | 31-Jul-2025 |
| Kansas | E-10352 2023-2024 | 31-Jul-2025 |
| Louisiana | 03087 2023-2024 | 30-Jun-2025 |
| Maine | 2024017 | 23-Jun-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008 | 30-Jun-2025 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oklahoma | 2023-140 | 31-Aug-2025 |
| Pennsylvania | 018 | 30-Jun-2025 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2026 |
| Utah | TX026932023-14 | 31-Jul-2025 |

## Sample Receipt Checklist

**Work Order ID:** HS25050481 **Date/Time Received:** **09-May-2025 09:57**

**Client Name:** TRC-HOU **Received by:** **Paresh M. Giga**

| **Completed By:** | /S/ Kaycee Rogers | 09-May-2025 22:46 | **Reviewed by:** | /S/ Andy C. Neir | 13-May-2025 16:55 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **W** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 2 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:342720, 342719 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 0.4UC/0.4C, 0.5UC/0.5C, 0.7UC/0.7C, 1.1UC/1.1C | IR 34 | |
| Cooler(s)/Kit(s): | 53572, 28137, 53372, 53363 | | |
| Date/Time sample(s) sent to storage: | 05/09/2025 2246 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form



COC ID: 342720

**HS25050481**

TRC

NRG WA Parish - Appendix IV

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG WA Parish - Appendix IV | A | HG_W (Mercury)- Appendix IV |
| Work Order | | Project Number | | B | ICP_W (Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl) App IV |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) - App IV |
| Send Report To | Lori Burris | Invoice Attn | AP | D | |
| Address | 14701 St. Mary's Lane<br>Suite 500 | Address | 11767 Katy Freeway<br>Suite 850 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-47 | 5-8-25 | 1000 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 2 | MW-48 | | 1050 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 3 | MW-49 | | 1140 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 4 | MW-50 | | 1155 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 5 | MW-06 | | 1040 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 6 | MW-09 | | 855 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 7 | MW-16 | | 855 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 8 | MW-31 | | 955 | Water | 2.8 | 2 | X | X | X | | (MS/MSD) | | | | | | |
| 9 | MW-32 | | 900 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 10 | MW-03 | | 940 | Water | 2.8 | 2 | X | X | X | | | | | | | | |

**Sampler(s) Please Print & Sign:** Mason Bond + HMT Team

**Shipment Method:** Dropoff @ lab

**Required Turnaround Time: (Check Box)** ☐ Other ☐ STD 10 WK Days ☒ 5 WK Days ☐ 3 WK Day ☐ 24 Hrs

**Results Due Date:**

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Austin Haines | 5-9-25 | 957 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): 5/9/25 09:57 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG CORP PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| 53572 | 0.4° |
| 28137 | 0.3° |
| 53572 | 0.9° |
| 53572 | 1.1° |
| 53563 | |

QC Package: (Check One Box Below)

☐ Level I SW-846 ☐ CLP Like ☐ Level II Report ☒ Level III/IV Report ☐ NELAC ☐ Other

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

#36 <1F 0.0

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form



COC ID: 342719

**HS25050481**

TRC

NRG WA Parish - Appendix IV

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 22630/ | Project Name | NRG WA Parish - Appendix IV | A | HG_W (Mercury)- Appendix IV |
| Work Order | | Project Number | | B | ICP_TW (Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl) App IV |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Kelso) - App IV |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | |
| Address | 9701 St. Marys Lane<br>Suite 200 | Address | 11767 Katy Freeway<br>Suite 850 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-5R-MS | 5-8-25 | 955 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 2 | MW-5R-MSD | ↓ | 955 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 3 | Dup | ↓ | 1000 | Water | 2.8 | 2 | X | X | X | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Mason Bard + HWE Team

Shipment Method: Drop off @ lab

Required Turnaround Time: (Check Box) ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☒ Std 7 Day ☐ 10 Day ☐ 24 Hour

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Austin Haines | 5.9.25 | 957 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): 5/9/25 09:57 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG COR;PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

QC Package: (Check One Box Below)

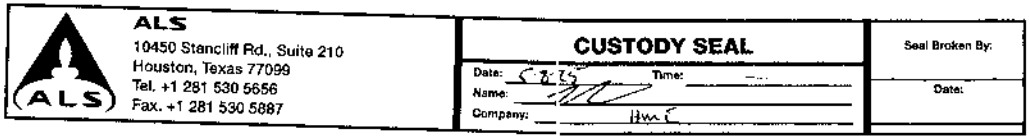
☐ Level 2 ☒ Level 3

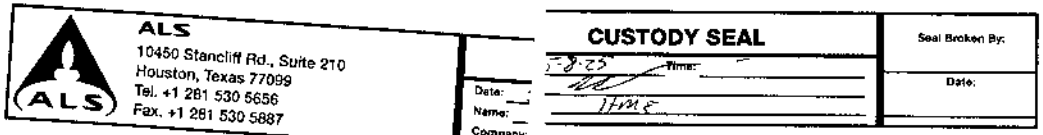
Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

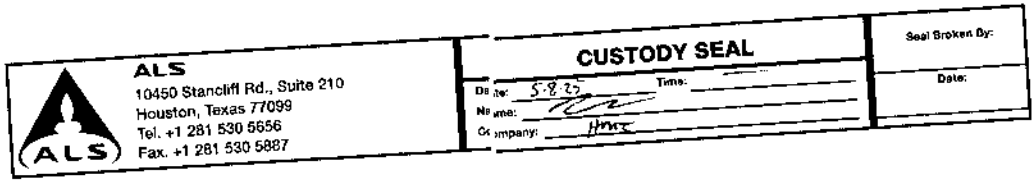
Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

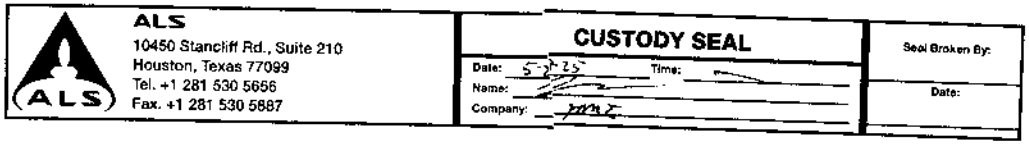
Copyright 2011 by ALS Environmental.

Privileged and Confidential


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5.8.25
Time:
Name:
Company: HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Time:
HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5.8.25
Time:
Company: HMS
Seal Broken By:
Date:


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 5.8.25
Time:
Company: HMS
Seal Broken By:
Date:

16-May-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25050481** Work Order: **25050127**

Dear Andrew,

ALS Environmental received 11 samples on 13-May-2025 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25050481 |
| **Work Order:** | 25050127 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | |
|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR1_250513A | Instrument ID: TITRATOR1 |
| Method: FL_4500C_W | Work order Number (s): 25050127 | |
| Analyst Name: KB | Date: 05/13/25 Reviewer Name: QN | Date: 5/14/2025 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

## ALS Group, USA

Date: 16-May-25

**Client:** ALS Environmental
**Project:** HS25050481
**Work Order:** **25050127**

# Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25050127-01 | MW-47 | Water | HS25050481-01 | 5/8/2025 10:00 | 5/13/2025 10:30 | ☐ |
| 25050127-02 | MW-48 | Water | HS25050481-02 | 5/8/2025 10:50 | 5/13/2025 10:30 | ☐ |
| 25050127-03 | MW-49 | Water | HS25050481-03 | 5/8/2025 11:40 | 5/13/2025 10:30 | ☐ |
| 25050127-04 | MW-50 | Water | HS25050481-04 | 5/8/2025 11:55 | 5/13/2025 10:30 | ☐ |
| 25050127-05 | MW-06 | Water | HS25050481-05 | 5/8/2025 10:40 | 5/13/2025 10:30 | ☐ |
| 25050127-06 | MW-09 | Water | HS25050481-06 | 5/8/2025 08:55 | 5/13/2025 10:30 | ☐ |
| 25050127-07 | MW-16 | Water | HS25050481-07 | 5/8/2025 08:55 | 5/13/2025 10:30 | ☐ |
| 25050127-08 | MW-51 | Water | HS25050481-08 | 5/8/2025 09:55 | 5/13/2025 10:30 | ☐ |
| 25050127-09 | MW-52 | Water | HS25050481-09 | 5/8/2025 09:00 | 5/13/2025 10:30 | ☐ |
| 25050127-10 | MW-53 | Water | HS25050481-10 | 5/8/2025 09:40 | 5/13/2025 10:30 | ☐ |
| 25050127-11 | DUP | Water | HS25050481-11 | 5/8/2025 10:00 | 5/13/2025 10:30 | ☐ |

**Client:** ALS Environmental
**Project:** HS25050481
**WorkOrder:** **25050127**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25050481
**Work Order:** 25050127

# Case Narrative

Samples for the above noted Work Order were received on 05/13/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.

**Work Order:** 25050127
**Client:** ALS Environmental
**Project:** HS25050481

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R420511 | **Test Name:** Fluoride | | | | | |
| 25050127-01 | MW-47 | Water | 5/8/2025 10:00:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-02 | MW-48 | | 5/8/2025 10:50:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-03 | MW-49 | | 5/8/2025 11:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-04 | MW-50 | | 5/8/2025 11:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-05 | MW-06 | | 5/8/2025 10:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-06 | MW-09 | | 5/8/2025 8:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-07 | MW-16 | | | | | 5/13/2025 05:30 PM |
| 25050127-08 | MW-51 | | 5/8/2025 9:55:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-09 | MW-52 | | 5/8/2025 9:00:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-10 | MW-53 | | 5/8/2025 9:40:00 AM | | | 5/13/2025 05:30 PM |
| 25050127-11 | DUP | | 5/8/2025 10:00:00 AM | | | 5/13/2025 05:30 PM |

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-47
**Collection Date:** 5/8/2025 10:00 AM

**Work Order:** 25050127
**Lab ID:** 25050127-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.420** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-48
**Collection Date:** 5/8/2025 10:50 AM

**Work Order:** 25050127
**Lab ID:** 25050127-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.240** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-49
**Collection Date:** 5/8/2025 11:40 AM

**Work Order:** 25050127
**Lab ID:** 25050127-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0700** | J | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-50
**Collection Date:** 5/8/2025 11:55 AM

**Work Order:** 25050127
**Lab ID:** 25050127-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-06
**Collection Date:** 5/8/2025 10:40 AM

**Work Order:** 25050127
**Lab ID:** 25050127-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.230** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-09
**Collection Date:** 5/8/2025 08:55 AM

**Work Order:** 25050127
**Lab ID:** 25050127-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.170** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-16
**Collection Date:** 5/8/2025 08:55 AM

**Work Order:** 25050127
**Lab ID:** 25050127-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.810** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-51
**Collection Date:** 5/8/2025 09:55 AM

**Work Order:** 25050127
**Lab ID:** 25050127-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.230** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-52
**Collection Date:** 5/8/2025 09:00 AM

**Work Order:** 25050127
**Lab ID:** 25050127-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.200** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** MW-53
**Collection Date:** 5/8/2025 09:40 AM

**Work Order:** 25050127
**Lab ID:** 25050127-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.580** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *16-May-25*

**Client:** ALS Environmental
**Project:** HS25050481
**Sample ID:** DUP
**Collection Date:** 5/8/2025 10:00 AM

**Work Order:** 25050127
**Lab ID:** 25050127-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.170** | | **0.058** | **0.10** | **mg/L** | 1 | 5/13/2025 17:30 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**WorkOrder:** 25050127
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

Batch ID: **R420511** Instrument ID **Titrator 1** Method: **A4500-F C-11**

| **MBLK** | Sample ID: **MB-R420511-R420511** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483855** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

| **MBLK** | Sample ID: **MB-R420511-R420511** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483870** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

| **LCS** | Sample ID: **LCS-R420511-R420511** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483856** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5 | 0.058 | 0.10 | 5 | 0 | 100 | 90-111 | 0 | | | |

| **LCS** | Sample ID: **LCS-R420511-R420511** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483871** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.12 | 0.058 | 0.10 | 5 | 0 | 102 | 90-111 | 0 | | | |

| **MS** | Sample ID: **25050126-08A MS** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483865** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.22 | 101 | 90-111 | 0 | | | |

| **MS** | Sample ID: **25050127-08A MS** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: **MW-51** | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483880** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0.23 | 100 | 90-111 | 0 | | | |

| **MSD** | Sample ID: **25050126-08A MSD** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Run ID: **TITRATOR 1_250513A** | | | | SeqNo: **11483866** | | | Prep Date: | | DF: **1** | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.24 | 0.058 | 0.10 | 5 | 0.22 | 100 | 90-111 | 5.29 | 0.95 | 20 | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** ALS Environmental
**Work Order:** 25050127
**Project:** HS25050481

# QC BATCH REPORT

Batch ID: **R420511** Instrument ID **Titrator 1** Method: **A4500-F C-11**

| **MSD** | Sample ID: **25050127-08A MSD** | | | | Units: **mg/L** | | | Analysis Date: **5/13/2025 05:30 PM** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: **MW-51** | | Run ID: **TITRATOR 1_250513A** | | | SeqNo: **11483881** | | Prep Date: | | DF: **1** | | |
| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Fluoride | 5.31 | 0.058 | 0.10 | 5 | 0.23 | 102 | 90-111 | 5.24 | 1.33 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25050127-01A | 25050127-02A | 25050127-03A |
| 25050127-04A | 25050127-05A | 25050127-06A |
| 25050127-07A | 25050127-08A | 25050127-09A |
| 25050127-10A | 25050127-11A | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

25050127

ALS - HOUSTON: ALS Environmental
Project: HS25050481

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **28646**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

**Company:** ALS Houston
**Contact:** Andy C. Neir
**Address:** 10450 Stancliff Rd, Ste 210
**Phone:** +1 281 530 5656
**Email:** Andrew.Neir@ALSGlobal.com
**Alternate Contact:** Jumoke M. Lawal
**Email:** jumoke.lawal@alsglobal.com

**INVOICE INFORMATION:**

**Company:** ALS Houston
**Contact:** Accounts Payable
**Address:** 10450 Stancliff Rd, Ste 210
**Phone:** +1 281 530 5656
**Reference:** HS25050481
**TSR:** Ron Martino

| | LAB SAMPLE ID / ANALYSIS REQUESTED | CLIENT SAMPLE ID | MATRIX | COLLECT DATE / DUE DATE |
|---|---|---|---|---|
| 1. | **HS25050481-01** | **MW-47** | **Water** | **08 May 2025 10:00** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 2. | **HS25050481-02** | **MW-48** | **Water** | **08 May 2025 10:50** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 3. | **HS25050481-03** | **MW-49** | **Water** | **08 May 2025 11:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 4. | **HS25050481-04** | **MW-50** | **Water** | **08 May 2025 11:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 5. | **HS25050481-05** | **MW-06** | **Water** | **08 May 2025 10:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 6. | **HS25050481-06** | **MW-09** | **Water** | **08 May 2025 08:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 7. | **HS25050481-07** | **MW-16** | **Water** | **08 May 2025 08:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 8. | **HS25050481-08** | **MW-51** | **Water** | **08 May 2025 09:55** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| 9. | **HS25050481-09** | **MW-52** | **Water** | **08 May 2025 09:00** |

RIGHT SOLUTIONS | RIGHT PARTNER

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **28646**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| **10.** | **HS25050481-10** | **MW-53** | **Water** | **08 May 2025 09:40** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |
| **11.** | **HS25050481-11** | **DUP** | **Water** | **08 May 2025 10:00** |
| | Fluoride by ISE 4500. Equis EDD | | | 16 May 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: _____ Date/Time: 5/12/25 1800.

Received By: _____ Date/Time: _____

Cooler ID(s): _____ Temperature(s): _____

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **13-May-25 10:30**

Work Order: **25050127** Received by: **JD**

Checklist completed by Jason Delinger 13-May-25 Reviewed by: Chelsey Cook 14-May-25
eSignature Date eSignature Date

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 0.6/0.6 C | IR6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 5/13/2025 11:18:18 AM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 6/10/2025 2:36:22 PM

## JOB DESCRIPTION

NRG Limestone

## JOB NUMBER

160-58042-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
6/10/2025 2:36:22 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 15
QC Association Summary . . . . . 17
Tracer Carrier Summary . . . . . 18

**Job Narrative**
**160-58042-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

**Receipt**
The samples were received on 5/13/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -2.0°C, -0.5°C and 3.2°C.

**Receipt Exceptions**
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-51 (160-58042-8[MS]) and MW-51 (160-58042-8[MSD]). The container labels list no sample ID just MS and MSD, while the COC lists MW-51 MS and MW-51 MSD. We know these are correct because this is the only sample with an MS and MSD. The sample IDs were logged in per the COC.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): DUP (160-58042-11). The container labels list DUP-01, while the COC lists DUP. The sample ID was logged in per the COC.

**Method 903.0 - Radium-226 (GFPC)**
Samples MW-47 (160-58042-1), MW-48 (160-58042-2), MW-49 (160-58042-3), MW-50 (160-58042-4), MW-06 (160-58042-5), MW-09 (160-58042-6), MW-16 (160-58042-7), MW-51 (160-58042-8), MW-51 (160-58042-8MS), MW-51 (160-58042-8MSD), MW-52 (160-58042-9), MW-53 (160-58042-10) and DUP (160-58042-11) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/15/2025 and analyzed on 6/9/2025.

**Method 904.0 - Radium-228 (GFPC)**
Samples MW-47 (160-58042-1), MW-48 (160-58042-2), MW-49 (160-58042-3), MW-50 (160-58042-4), MW-06 (160-58042-5), MW-09 (160-58042-6), MW-16 (160-58042-7), MW-51 (160-58042-8), MW-51 (160-58042-8MS), MW-51 (160-58042-8MSD), MW-52 (160-58042-9), MW-53 (160-58042-10) and DUP (160-58042-11) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/15/2025 and analyzed on 6/8/2025.

Radium 228 Prep Batch 717723:
The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-717723/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. MW-16 (160-58042-7) and MW-52 (160-58042-9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Eurofins TestAmerica, St. Louis**
13715 Rider Trail North

Earth City, MO 63045-1205
phone 314.298.8566 fax 314.298.8757

# Chain of Custody Record

eurofins Environment Testing TestAmerica

**Regulatory Program:** ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

**TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica**

| Client Contact | Project Manager: Lori Burris | Site Contact: | Date: | COC No: |
|---|---|---|---|---|
| Your Company Name here: TRC | Email: lburris@trcsolutions.com | Lab Contact: | Carrier: | 1 of 1 COCs |
| Address 11767 Katy Fwy | Tel/Fax: 281-798-9346 | | | Sampler: |
| City/State/Zip Houston, TX 77079 | Analysis Turnaround Time | | | For Lab Use Only: |
| (xxx) xxx-xxxx 281-798-9346 Phone | ☐ CALENDAR DAYS ☐ WORKING DAYS | | | Walk-in Client: |
| (xxx) xxx-xxxx FAX | TAT if different from Below _____ | | | Lab Sampling: |
| Project Name: | ☐ 2 weeks | | | |
| Site: | ☐ 1 week | | | Job / SDG No.: |
| P O # | ☐ 2 days ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | RAD 226 | RAD 228 | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-47 | 5-8-25 | 1000 | G | W | 2 | | | X | X | |
| MW-48 | | 1050 | | | | | | X | X | |
| MW-49 | | 1140 | | | | | | X | X | |
| MW-50 | | 1155 | | | | | | X | X | |
| MW-06 | | 1040 | | | | | | X | X | |
| MW-09 | | 855 | | | | | | X | X | |
| MW-16 | | 855 | | | ↓ | | | X | X | |
| MW-51 | | 955 | | | 6 | | Y | X | X | |
| MW-52 | | 900 | | | 2 | | | X | X | |
| MW-53 | | 940 | | | | | | X | X | |
| DUP | ↓ | 1000 | ↓ | ↓ | ↓ | | | X | X | |

Temp: 2.8 IR ID:HOU-368
C/F:-0.1
Corrected Temp: 2.7

Temp: 3.1 IR ID:HOU-368
C/F:-0.1
Corrected Temp: 3.0

Temp: 3.2 IR ID:HOU-368
C/F:-0.1
Corrected Temp: 3.1

VIC
53572 0.4°
28137 0.5°
53373 0.7°
53363 1.1°

160-58042 Chain of Custody

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

**Special Instructions/QC Requirements & Comments:**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: Austin Haines | Company: HMI | Date/Time: 5-8-25 957 | Received by: | Company: AIS, | Date/Time: 5/9/25 09:57 |
| Relinquished by: ~~957~~ | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: AIS | Date/Time: 5-9-25 1239 | Received in Laboratory by: | Company: | Date/Time: 5-9-25 1239 |

RELINQUISHED BY: 5-12-25 1200 RECEIVED BY: Sierra Watkins

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019



6/10/2025

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-58042-1

**Login Number: 58042**
**List Number: 1**
**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | The samplers name is not listed on the COC. |
| There are no discrepancies between the containers received and the COC. | False | IDs on containers do not match the COC. Logged in per COC. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-58042-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-58042-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-58042-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-58042-1 | MW-47 | Water | 05/08/25 10:00 | 05/13/25 08:40 |
| 160-58042-2 | MW-48 | Water | 05/08/25 10:50 | 05/13/25 08:40 |
| 160-58042-3 | MW-49 | Water | 05/08/25 11:40 | 05/13/25 08:40 |
| 160-58042-4 | MW-50 | Water | 05/08/25 11:55 | 05/13/25 08:40 |
| 160-58042-5 | MW-06 | Water | 05/08/25 10:40 | 05/13/25 08:40 |
| 160-58042-6 | MW-09 | Water | 05/08/25 08:55 | 05/13/25 08:40 |
| 160-58042-7 | MW-16 | Water | 05/08/25 08:55 | 05/13/25 08:40 |
| 160-58042-8 | MW-51 | Water | 05/08/25 09:55 | 05/13/25 08:40 |
| 160-58042-9 | MW-52 | Water | 05/08/25 09:00 | 05/13/25 08:40 |
| 160-58042-10 | MW-53 | Water | 05/08/25 09:40 | 05/13/25 08:40 |
| 160-58042-11 | DUP | Water | 05/08/25 10:00 | 05/13/25 08:40 |

## Client Sample ID: MW-47

**Lab Sample ID: 160-58042-1**
**Matrix: Water**
**Date Collected: 05/08/25 10:00**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.338 | | 0.217 | 0.219 | 1.00 | 0.308 | pCi/L | 05/15/25 15:53 | 06/09/25 16:23 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 86.3 | | 30 - 110 | 05/15/25 15:53 | 06/09/25 16:23 | 1 |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.853 | | 0.483 | 0.489 | 1.00 | 0.701 | pCi/L | 05/15/25 15:56 | 06/08/25 10:37 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 86.3 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:37 | 1 |
| Y Carrier | 78.5 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:37 | 1 |

## Client Sample ID: MW-48

**Lab Sample ID: 160-58042-2**
**Matrix: Water**
**Date Collected: 05/08/25 10:50**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.268 | | 0.179 | 0.180 | 1.00 | 0.247 | pCi/L | 05/15/25 15:53 | 06/09/25 16:23 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 86.8 | | 30 - 110 | 05/15/25 15:53 | 06/09/25 16:23 | 1 |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.34 | | 0.526 | 0.541 | 1.00 | 0.689 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 86.8 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:39 | 1 |
| Y Carrier | 79.3 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

## Client Sample ID: MW-49

**Lab Sample ID: 160-58042-3**
**Matrix: Water**
**Date Collected: 05/08/25 11:40**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.596 | | 0.224 | 0.231 | 1.00 | 0.232 | pCi/L | 05/15/25 15:53 | 06/09/25 16:24 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 90.5 | | 30 - 110 | 05/15/25 15:53 | 06/09/25 16:24 | 1 |

## Client Sample ID: MW-49

**Date Collected: 05/08/25 11:40**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-3

**Matrix: Water**

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.862** | | 0.477 | 0.484 | 1.00 | 0.697 | pCi/L | 05/15/25 15:56 | 06/08/25 10:22 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *90.5* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:22* | *1* |
| *Y Carrier* | *80.7* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:22* | *1* |

## Client Sample ID: MW-50

**Date Collected: 05/08/25 11:55**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-4

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | -0.0615 | U | 0.0834 | 0.0836 | 1.00 | 0.219 | pCi/L | 05/15/25 15:53 | 06/09/25 16:24 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.3* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:24* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.342 | U | 0.372 | 0.374 | 1.00 | 0.607 | pCi/L | 05/15/25 15:56 | 06/08/25 10:21 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.3* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:21* | *1* |
| *Y Carrier* | *77.0* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:21* | *1* |

## Client Sample ID: MW-06

**Date Collected: 05/08/25 10:40**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-5

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.302** | | 0.182 | 0.184 | 1.00 | 0.238 | pCi/L | 05/15/25 15:53 | 06/09/25 16:24 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.1* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:24* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.525 | U | 0.436 | 0.439 | 1.00 | 0.684 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.1* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-06

**Date Collected: 05/08/25 10:40**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-5

**Matrix: Water**

### Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Y Carrier* | *81.5* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-09

**Date Collected: 05/08/25 08:55**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-6

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.337** | | 0.175 | 0.177 | 1.00 | 0.198 | pCi/L | 05/15/25 15:53 | 06/09/25 16:25 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.3* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:25* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **1.41** | | 0.592 | 0.606 | 1.00 | 0.806 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.3* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *75.5* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-16

**Date Collected: 05/08/25 08:55**
**Date Received: 05/13/25 08:40**

## Lab Sample ID: 160-58042-7

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.152 | U | 0.199 | 0.199 | 1.00 | 0.331 | pCi/L | 05/15/25 15:53 | 06/09/25 16:25 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *71.4* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:25* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.549 | U G | 0.750 | 0.752 | 1.00 | 1.25 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *71.4* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *78.1* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-51

**Lab Sample ID: 160-58042-8**
**Date Collected: 05/08/25 09:55**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.639 | | 0.233 | 0.240 | 1.00 | 0.236 | pCi/L | 05/15/25 15:53 | 06/09/25 16:25 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *90.5* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:25* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.16 | | 0.464 | 0.476 | 1.00 | 0.598 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *90.5* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *81.9* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-52

**Lab Sample ID: 160-58042-9**
**Date Collected: 05/08/25 09:00**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.570 | U | 0.457 | 0.460 | 1.00 | 0.670 | pCi/L | 05/15/25 15:53 | 06/09/25 16:28 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *58.2* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:28* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.294 | U G | 0.877 | 0.877 | 1.00 | 1.74 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *58.2* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *82.6* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: MW-53

**Lab Sample ID: 160-58042-10**
**Date Collected: 05/08/25 09:40**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.447 | | 0.205 | 0.209 | 1.00 | 0.228 | pCi/L | 05/15/25 15:53 | 06/09/25 16:28 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *82.3* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:28* | *1* |

## Client Sample ID: MW-53

**Lab Sample ID: 160-58042-10**
**Date Collected: 05/08/25 09:40**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.949 | | 0.460 | 0.469 | 1.00 | 0.632 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *82.3* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *82.6* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Client Sample ID: DUP

**Lab Sample ID: 160-58042-11**
**Date Collected: 05/08/25 10:00**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.460 | | 0.213 | 0.217 | 1.00 | 0.248 | pCi/L | 05/15/25 15:53 | 06/09/25 16:28 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.6* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:28* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.395 | U | 0.450 | 0.451 | 1.00 | 0.739 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.6* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |
| *Y Carrier* | *81.5* | | *30 - 110* | *05/15/25 15:56* | *06/08/25 10:39* | *1* |

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-717722/1-A**
**Matrix: Water**
**Analysis Batch: 721484**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 717722**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | -0.05709 | U | 0.0837 | 0.0838 | 1.00 | 0.217 | pCi/L | 05/15/25 15:53 | 06/09/25 16:23 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.8* | | *30 - 110* | *05/15/25 15:53* | *06/09/25 16:23* | *1* |

**Lab Sample ID: LCS 160-717722/2-A**
**Matrix: Water**
**Analysis Batch: 721484**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 717722**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 9.58 | 8.831 | | 1.09 | 1.00 | 0.217 | pCi/L | 92 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *92.8* | | *30 - 110* |

**Lab Sample ID: 160-58042-8 MS**
**Matrix: Water**
**Analysis Batch: 721484**

**Client Sample ID: MW-51**
**Prep Type: Total/NA**
**Prep Batch: 717722**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.639 | | 9.74 | 9.633 | | 1.18 | 1.00 | 0.220 | pCi/L | 92 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *88.6* | | *30 - 110* |

**Lab Sample ID: 160-58042-8 MSD**
**Matrix: Water**
**Analysis Batch: 721484**

**Client Sample ID: MW-51**
**Prep Type: Total/NA**
**Prep Batch: 717722**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.639 | | 9.63 | 9.679 | | 1.19 | 1.00 | 0.197 | pCi/L | 94 | 60 - 140 | 0.02 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *88.6* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-717723/1-A**
**Matrix: Water**
**Analysis Batch: 721228**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 717723**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.3698 | U | 0.421 | 0.423 | 1.00 | 0.692 | pCi/L | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 89.8 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:39 | 1 |
| Y Carrier | 79.6 | | 30 - 110 | 05/15/25 15:56 | 06/08/25 10:39 | 1 |

**Lab Sample ID: LCS 160-717723/2-A**
**Matrix: Water**
**Analysis Batch: 721228**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 717723**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.37 | 12.11 | | 1.58 | 1.00 | 0.590 | pCi/L | 129 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 92.8 | | 30 - 110 |
| Y Carrier | 78.5 | | 30 - 110 |

**Lab Sample ID: 160-58042-8 MS**
**Matrix: Water**
**Analysis Batch: 721228**

**Client Sample ID: MW-51**
**Prep Type: Total/NA**
**Prep Batch: 717723**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.16 | | 9.53 | 14.19 | | 1.82 | 1.00 | 0.617 | pCi/L | 137 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 88.6 | | 30 - 110 |
| Y Carrier | 78.1 | | 30 - 110 |

**Lab Sample ID: 160-58042-8 MSD**
**Matrix: Water**
**Analysis Batch: 721228**

**Client Sample ID: MW-51**
**Prep Type: Total/NA**
**Prep Batch: 717723**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.16 | | 9.43 | 12.82 | | 1.66 | 1.00 | 0.682 | pCi/L | 124 | 60 - 140 | 0.40 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 88.6 | | 30 - 110 |
| Y Carrier | 83.4 | | 30 - 110 |

# QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-58042-1

## Rad

### Prep Batch: 717722

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-58042-1 | MW-47 | Total/NA | Water | PrecSep-21 | |
| 160-58042-2 | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-58042-3 | MW-49 | Total/NA | Water | PrecSep-21 | |
| 160-58042-4 | MW-50 | Total/NA | Water | PrecSep-21 | |
| 160-58042-5 | MW-06 | Total/NA | Water | PrecSep-21 | |
| 160-58042-6 | MW-09 | Total/NA | Water | PrecSep-21 | |
| 160-58042-7 | MW-16 | Total/NA | Water | PrecSep-21 | |
| 160-58042-8 | MW-51 | Total/NA | Water | PrecSep-21 | |
| 160-58042-9 | MW-52 | Total/NA | Water | PrecSep-21 | |
| 160-58042-10 | MW-53 | Total/NA | Water | PrecSep-21 | |
| 160-58042-11 | DUP | Total/NA | Water | PrecSep-21 | |
| MB 160-717722/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-717722/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 160-58042-8 MS | MW-51 | Total/NA | Water | PrecSep-21 | |
| 160-58042-8 MSD | MW-51 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 717723

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-58042-1 | MW-47 | Total/NA | Water | PrecSep_0 | |
| 160-58042-2 | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-58042-3 | MW-49 | Total/NA | Water | PrecSep_0 | |
| 160-58042-4 | MW-50 | Total/NA | Water | PrecSep_0 | |
| 160-58042-5 | MW-06 | Total/NA | Water | PrecSep_0 | |
| 160-58042-6 | MW-09 | Total/NA | Water | PrecSep_0 | |
| 160-58042-7 | MW-16 | Total/NA | Water | PrecSep_0 | |
| 160-58042-8 | MW-51 | Total/NA | Water | PrecSep_0 | |
| 160-58042-9 | MW-52 | Total/NA | Water | PrecSep_0 | |
| 160-58042-10 | MW-53 | Total/NA | Water | PrecSep_0 | |
| 160-58042-11 | DUP | Total/NA | Water | PrecSep_0 | |
| MB 160-717723/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-717723/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 160-58042-8 MS | MW-51 | Total/NA | Water | PrecSep_0 | |
| 160-58042-8 MSD | MW-51 | Total/NA | Water | PrecSep_0 | |

# Tracer/Carrier Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-58042-1

## Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) |
|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) |
| 160-58042-1 | MW-47 | 86.3 |
| 160-58042-2 | MW-48 | 86.8 |
| 160-58042-3 | MW-49 | 90.5 |
| 160-58042-4 | MW-50 | 89.3 |
| 160-58042-5 | MW-06 | 85.1 |
| 160-58042-6 | MW-09 | 85.3 |
| 160-58042-7 | MW-16 | 71.4 |
| 160-58042-8 | MW-51 | 90.5 |
| 160-58042-8 MS | MW-51 | 88.6 |
| 160-58042-8 MSD | MW-51 | 88.6 |
| 160-58042-9 | MW-52 | 58.2 |
| 160-58042-10 | MW-53 | 82.3 |
| 160-58042-11 | DUP | 85.6 |
| LCS 160-717722/2-A | Lab Control Sample | 92.8 |
| MB 160-717722/1-A | Method Blank | 89.8 |

**Tracer/Carrier Legend**

Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) |
| 160-58042-1 | MW-47 | 86.3 | 78.5 |
| 160-58042-2 | MW-48 | 86.8 | 79.3 |
| 160-58042-3 | MW-49 | 90.5 | 80.7 |
| 160-58042-4 | MW-50 | 89.3 | 77.0 |
| 160-58042-5 | MW-06 | 85.1 | 81.5 |
| 160-58042-6 | MW-09 | 85.3 | 75.5 |
| 160-58042-7 | MW-16 | 71.4 | 78.1 |
| 160-58042-8 | MW-51 | 90.5 | 81.9 |
| 160-58042-8 MS | MW-51 | 88.6 | 78.1 |
| 160-58042-8 MSD | MW-51 | 88.6 | 83.4 |
| 160-58042-9 | MW-52 | 58.2 | 82.6 |
| 160-58042-10 | MW-53 | 82.3 | 82.6 |
| 160-58042-11 | DUP | 85.6 | 81.5 |
| LCS 160-717723/2-A | Lab Control Sample | 92.8 | 78.5 |
| MB 160-717723/1-A | Method Blank | 89.8 | 79.6 |

**Tracer/Carrier Legend**

Ba = Ba Carrier
Y = Y Carrier

eurofins | Environment Testing

1 2 3 4 5 6 7 8

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 12/4/2025 4:50:50 PM

## JOB DESCRIPTION

NRG Limestone - Ra226/228 combined calc

## JOB NUMBER

160-58042-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
12/4/2025 4:50:50 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Receipt Checklists . . . . . 5
Definitions/Glossary . . . . . 6
Method Summary . . . . . 7
Sample Summary . . . . . 8
Client Sample Results . . . . . 9

## Job ID: 160-58042-2 Eurofins St. Louis

**Job Narrative**
**160-58042-2**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

**Receipt**
The samples were received on 5/13/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -2.0°C, -0.5°C and 3.2°C.

**Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228**
Samples MW-47 (160-58042-1), MW-48 (160-58042-2), MW-49 (160-58042-3), MW-50 (160-58042-4), MW-06 (160-58042-5), MW-09 (160-58042-6), MW-16 (160-58042-7), MW-51 (160-58042-8), MW-52 (160-58042-9), MW-53 (160-58042-10) and DUP (160-58042-11) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/4/2025.

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-58042-2

**Login Number: 58042**
**List Number: 1**
**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | The samplers name is not listed on the COC. |
| There are no discrepancies between the containers received and the COC. | False | IDs on containers do not match the COC. Logged in per COC. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

# Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| Ra226_Ra228 Pos | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |

**Protocol References:**

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 160-58042-1 | MW-47 | Water | 05/08/25 10:00 | 05/13/25 08:40 | Texas |
| 160-58042-2 | MW-48 | Water | 05/08/25 10:50 | 05/13/25 08:40 | Texas |
| 160-58042-3 | MW-49 | Water | 05/08/25 11:40 | 05/13/25 08:40 | Texas |
| 160-58042-4 | MW-50 | Water | 05/08/25 11:55 | 05/13/25 08:40 | Texas |
| 160-58042-5 | MW-06 | Water | 05/08/25 10:40 | 05/13/25 08:40 | Texas |
| 160-58042-6 | MW-09 | Water | 05/08/25 08:55 | 05/13/25 08:40 | Texas |
| 160-58042-7 | MW-16 | Water | 05/08/25 08:55 | 05/13/25 08:40 | Texas |
| 160-58042-8 | MW-51 | Water | 05/08/25 09:55 | 05/13/25 08:40 | Texas |
| 160-58042-9 | MW-52 | Water | 05/08/25 09:00 | 05/13/25 08:40 | Texas |
| 160-58042-10 | MW-53 | Water | 05/08/25 09:40 | 05/13/25 08:40 | Texas |
| 160-58042-11 | DUP | Water | 05/08/25 10:00 | 05/13/25 08:40 | Texas |

# Client Sample Results

Client: TRC Solutions, Inc. Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

## Client Sample ID: MW-47 — Lab Sample ID: 160-58042-1
**Date Collected: 05/08/25 10:00** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.19 | | 0.530 | 0.536 | 5.00 | 0.701 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-48 — Lab Sample ID: 160-58042-2
**Date Collected: 05/08/25 10:50** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.61 | | 0.556 | 0.570 | 5.00 | 0.689 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-49 — Lab Sample ID: 160-58042-3
**Date Collected: 05/08/25 11:40** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.46 | | 0.527 | 0.536 | 5.00 | 0.697 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-50 — Lab Sample ID: 160-58042-4
**Date Collected: 05/08/25 11:55** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.342 | U | 0.381 | 0.383 | 5.00 | 0.607 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-06 — Lab Sample ID: 160-58042-5
**Date Collected: 05/08/25 10:40** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.827 | | 0.472 | 0.476 | 5.00 | 0.684 | pCi/L | | 12/04/25 15:31 | 1 |

# Client Sample Results

Client: TRC Solutions, Inc. Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

## Client Sample ID: MW-09 — Lab Sample ID: 160-58042-6
**Date Collected: 05/08/25 08:55** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.74 | | 0.617 | 0.631 | 5.00 | 0.806 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-16 — Lab Sample ID: 160-58042-7
**Date Collected: 05/08/25 08:55** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.701 | U | 0.776 | 0.778 | 5.00 | 1.25 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-51 — Lab Sample ID: 160-58042-8
**Date Collected: 05/08/25 09:55** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.80 | | 0.519 | 0.533 | 5.00 | 0.598 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-52 — Lab Sample ID: 160-58042-9
**Date Collected: 05/08/25 09:00** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.570 | U | 0.989 | 0.990 | 5.00 | 1.74 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-53 — Lab Sample ID: 160-58042-10
**Date Collected: 05/08/25 09:40** — **Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.40 | | 0.504 | 0.513 | 5.00 | 0.632 | pCi/L | | 12/04/25 15:34 | 1 |

# Client Sample Results

Client: TRC Solutions, Inc.
Job ID: 160-58042-2
Project/Site: NRG Limestone - Ra226/228 combined calc

## Client Sample ID: DUP
**Lab Sample ID: 160-58042-11**
**Date Collected: 05/08/25 10:00**
**Matrix: Water**
**Date Received: 05/13/25 08:40**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.856 | | 0.498 | 0.500 | 5.00 | 0.739 | pCi/L | | 12/04/25 15:34 | 1 |

# Appendix C

# Detection Monitoring Data (August 2025)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 22, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25080725**

Laboratory Results for: **NRG Limestone-Appendix III**

Dear Lori Burris,

ALS Environmental received 22 sample(s) on Aug 14, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: JUMOKE.LAWAL**
Andy C. Neir
Project Manager

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone-Appendix III | |
| **WorkOrder:** | **HS25080725** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone-Appendix III | |
| **WorkOrder:** | **HS25080725** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 08/22/2025 | | | | | |
| Project Name: NRG Limestone-Appendix III | | | Laboratory Job Number: HS25080725 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 231849,231960,R519822,R519904,R520051,R520053,R5200058,R520058,R520103,R520313 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 08/22/2025 | | | | |
| Project Name: NRG Limestone-Appendix III | | | Laboratory Job Number: HS25080725 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 231849,231960,R519822,R519904,R520051,R520053,R5200058,R520058,R520103,R520313 | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] |
| S1 | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 3 |
| S3 | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| S4 | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| S5 | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| S9 | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | X | | | 4 |
| S10 | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S11 | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| S12 | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| S16 | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 08/22/2025 |
| Project Name: NRG Limestone-Appendix III | Laboratory Number: HS25080725 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 231849,231960,R519822,R519904,R520051,R520053,R520058,R520058,R520103,R520313 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 231849, Metals Method SW6020, sample HS25080673-01, MS and MSD were performed on unrelated sample<br><br>Batch 231960, Metals Method SW6020, sample MW-48, MSD recovered outside the control limit however for Calcium, the result in the parent sample is 4x greater than the spike amount .<br><br>Batch R520051, Anions Method E300, sample MW-06, MS and MSD recovered outside the control limit for Chloride however, the result in the parent sample is 4x greater than the spike amount.<br><br>Batch R520053, Anions Method E300, sample HS25080878-06, MS and MSD were performed on unrelated sample |
| 2 | The analysis for Fluoride was subcontracted to our ALS Laboratory in Holland Michigan. Report and Laboratory Review Checklist are attached to the final report<br><br>performed by ALS Holland, Michigan.<br><br>Log In Notes:<br><br>Sample label time differs: MW-19 Chain of Custody- 1305 Label- 1310, Field Blank-01 Chain of Custody- 1310 Label- 1305 |
| 3 | See Run Log and CCB Exceptions Report |
| 4 | Batch 231849, Metals Method SW6020, sample HS25080673-01, PDS was performed on unrelated sample<br><br>Batch 231960, Metals Method SW6020, sample MW-48, PDS recovered outside the control limit for Calcium, however, the result in the parent sample is 4x greater than the spike amount. |

Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725
Start Date: 19-Aug-2025 End Date: 19-Aug-2025

Run ID:ICS-Integrion_520051
Instrument:ICS-Integrion
Method:E300

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| CCV 1 | 1 | 19-Aug-2025 09:49 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| CCB 1 | 1 | 19-Aug-2025 10:01 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MBLK | 1 | 19-Aug-2025 10:07 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| LCS | 1 | 19-Aug-2025 10:12 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| ZZZZZZMS | 10 | 19-Aug-2025 10:24 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| ZZZZZZMSD | 10 | 19-Aug-2025 10:30 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| CCB 2 | 1 | 19-Aug-2025 11:22 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-01 | 1 | 19-Aug-2025 11:57 | LIMS Export_20_08_2025 09_29.txt | SO4 |
| MW-06 | 1 | 19-Aug-2025 12:09 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-09 | 1 | 19-Aug-2025 12:15 | LIMS Export_20_08_2025 09_29.txt | SO4 |
| MW-16 | 1 | 19-Aug-2025 12:21 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-02 | 20 | 19-Aug-2025 12:27 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| CCV 2 | 1 | 19-Aug-2025 12:38 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| CCB 3 | 1 | 19-Aug-2025 12:44 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-17 | 1 | 19-Aug-2025 12:56 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-18 | 1 | 19-Aug-2025 13:02 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-19 | 1 | 19-Aug-2025 13:07 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-20 | 1 | 19-Aug-2025 13:13 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-21 | 1 | 19-Aug-2025 13:19 | LIMS Export_20_08_2025 09_29.txt | CL |
| MW-01 | 5 | 19-Aug-2025 13:25 | LIMS Export_20_08_2025 09_29.txt | CL |
| MW-09 | 5 | 19-Aug-2025 13:31 | LIMS Export_20_08_2025 09_29.txt | CL |
| MW-06MS | 1 | 19-Aug-2025 13:37 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-06MSD | 1 | 19-Aug-2025 13:42 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |
| MW-21 | 5 | 19-Aug-2025 13:48 | LIMS Export_20_08_2025 09_29.txt | SO4 |
| CCB 4 | 1 | 19-Aug-2025 14:12 | LIMS Export_20_08_2025 09_29.txt | CL SO4 |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

Run ID:ICS-Integrion_520051
Instrument:ICS-Integrion
Method:E300

CCB 2 Date: 19-Aug-2025 11:22 Seq: 8994160 D/F: 1 Units: ug/L

| Analyte | Result | MDL | Report Limit |
|---|---|---|---|
| Chloride | 498 | 200 | 500 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**Work Order:** HS25080725

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25080725-01 | MW-01 | Water | | 13-Aug-2025 12:00 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-02 | MW-02 | Water | | 13-Aug-2025 09:40 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-03 | MW-06 | Water | | 13-Aug-2025 11:10 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-04 | MW-09 | Water | | 13-Aug-2025 12:35 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-05 | MW-16 | Water | | 13-Aug-2025 13:00 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-06 | MW-17 | Water | | 13-Aug-2025 12:50 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-07 | MW-18 | Water | | 13-Aug-2025 14:05 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-08 | MW-19 | Water | | 13-Aug-2025 13:05 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-09 | MW-20 | Water | | 13-Aug-2025 12:15 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-10 | MW-21 | Water | | 13-Aug-2025 11:15 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-11 | MW-22 | Water | | 13-Aug-2025 10:10 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-12 | MW-27R | Water | | 13-Aug-2025 13:20 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-13 | MW-28R | Water | | 13-Aug-2025 13:40 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-14 | MW-47 | Water | | 13-Aug-2025 12:00 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-15 | MW-48 | Water | | 13-Aug-2025 10:45 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-16 | MW-49 | Water | | 13-Aug-2025 09:55 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-17 | MW-50 | Water | | 13-Aug-2025 13:30 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-18 | MW-51 | Water | | 13-Aug-2025 11:45 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-19 | MW-52 | Water | | 13-Aug-2025 10:20 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-20 | MW-53 | Water | | 13-Aug-2025 10:20 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-21 | Field Blank-01 | Water | | 13-Aug-2025 13:10 | 14-Aug-2025 11:30 | ☐ |
| HS25080725-22 | Field Duplicate-01 | Water | | 13-Aug-2025 09:30 | 14-Aug-2025 11:30 | ☐ |

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-01
Collection Date: 13-Aug-2025 12:00

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0354** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:06 |
| **Calcium** | **61.8** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:06 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **292** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 13:25 |
| **Sulfate** | **0.721** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 11:57 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **1,230** | | **3.00** | **10.0** | **mg/L** | 1 | 15-Aug-2025 14:30 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-02
Collection Date: 13-Aug-2025 09:40

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.340** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:08 |
| **Calcium** | **186** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 11:45 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **280** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 12:27 |
| **Sulfate** | **749** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 12:27 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MH |
| **Total Dissolved Solids (Residue, Filterable)** | **1,580** | | **3.00** | **10.0** | **mg/L** | 1 | 15-Aug-2025 14:30 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-06
Collection Date: 13-Aug-2025 11:10

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0613** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:10 |
| **Calcium** | **40.6** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:10 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **68.6** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:09 |
| **Sulfate** | **25.7** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:09 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **400** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-09
Collection Date: 13-Aug-2025 12:35

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0397** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:12 |
| **Calcium** | **45.3** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:12 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **179** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 13:31 |
| **Sulfate** | **13.3** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:15 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **522** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-16
Collection Date: 13-Aug-2025 13:00

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0371** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:14 |
| **Calcium** | **2.51** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:14 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **4.65** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:21 |
| **Sulfate** | **11.8** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:21 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **248** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-17
Collection Date: 13-Aug-2025 12:50

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0248** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:16 |
| **Calcium** | **3.04** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:16 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **8.57** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:56 |
| **Sulfate** | **7.29** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 12:56 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **162** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-18
Collection Date: 13-Aug-2025 14:05

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0363** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:18 |
| **Calcium** | **70.2** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:18 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **10.6** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:02 |
| **Sulfate** | **28.2** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:02 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **384** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-19
Collection Date: 13-Aug-2025 13:05

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0374** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:28 |
| **Calcium** | **32.8** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:28 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **40.3** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:07 |
| **Sulfate** | **89.3** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:07 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **334** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-20
Collection Date: 13-Aug-2025 12:15

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0359** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:31 |
| **Calcium** | **28.5** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:31 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **15.5** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:13 |
| **Sulfate** | **31.1** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:13 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **330** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-21
Collection Date: 13-Aug-2025 11:15

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.623** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:33 |
| **Calcium** | **44.4** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:33 |
| **Sodium** | **13.9** | | **0.130** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:33 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **10.1** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 13:19 |
| **Sulfate** | **202** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 13:48 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **418** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-22
Collection Date: 13-Aug-2025 10:10

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0388** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:35 |
| **Calcium** | **62.7** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:35 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **29.7** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 16:02 |
| **Sulfate** | **167** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 18:28 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **440** | | **3.00** | **10.0** | **mg/L** | 1 | 18-Aug-2025 08:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-27R
Collection Date: 13-Aug-2025 13:20

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-12
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.147** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:37 |
| **Calcium** | **537** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 11:47 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **1,880** | | **10.0** | **25.0** | **mg/L** | 50 | 19-Aug-2025 16:09 |
| **Sulfate** | **746** | | **10.0** | **25.0** | **mg/L** | 50 | 19-Aug-2025 16:09 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **6,060** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-28R
Collection Date: 13-Aug-2025 13:40

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-13
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0415** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 11:39 |
| **Calcium** | **2.78** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 11:39 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **4.70** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 16:14 |
| **Sulfate** | **12.0** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 16:14 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **240** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-47
Collection Date: 13-Aug-2025 12:00

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-14
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0220** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:02 |
| **Calcium** | **44.0** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 14:02 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **137** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 16:20 |
| **Sulfate** | **31.6** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Aug-2025 16:20 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **844** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-48
Collection Date: 13-Aug-2025 10:45

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-15
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0150** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 13:54 |
| **Calcium** | **62.5** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 13:54 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **209** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 16:26 |
| **Sulfate** | **288** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 16:26 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,000** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-49
Collection Date: 13-Aug-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-16
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0555** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:29 |
| **Calcium** | **128** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 14:29 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **241** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:07 |
| **Sulfate** | **91.4** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:07 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,250** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-50
Collection Date: 13-Aug-2025 13:30

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-17
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.797** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:31 |
| **Calcium** | **306** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 15:23 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **116** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:13 |
| **Sulfate** | **1,480** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:13 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **2,490** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-51
Collection Date: 13-Aug-2025 11:45

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-18
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0306** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:33 |
| **Calcium** | **235** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 15:25 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **855** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:24 |
| **Sulfate** | **117** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:24 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **2,770** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-52
Collection Date: 13-Aug-2025 10:20

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-19
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.174** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:35 |
| **Calcium** | **199** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 15:27 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **275** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:30 |
| **Sulfate** | **454** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Aug-2025 17:30 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,580** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: MW-53
Collection Date: 13-Aug-2025 10:20

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-20
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.653** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:37 |
| **Calcium** | **111** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 14:37 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **186** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 17:36 |
| **Sulfate** | **374** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 17:36 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,750** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: Field Blank-01
Collection Date: 13-Aug-2025 13:10

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-21
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.0443** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:39 |
| **Calcium** | **0.947** | | **0.120** | **0.500** | **mg/L** | 1 | 21-Aug-2025 14:39 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **2.29** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Aug-2025 18:52 |
| Sulfate | < 0.200 | | 0.200 | 0.500 | mg/L | 1 | 19-Aug-2025 18:52 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | | 3.00 | 10.0 | mg/L | 1 | 20-Aug-2025 07:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III
Sample ID: Field Duplicate-01
Collection Date: 13-Aug-2025 09:30

**ANALYTICAL REPORT**
WorkOrder:HS25080725
Lab ID:HS25080725-22
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 21-Aug-2025 | | Analyst: JC |
| **Boron** | **0.173** | | **0.00800** | **0.0500** | **mg/L** | 1 | 21-Aug-2025 14:41 |
| **Calcium** | **197** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 15:29 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **282** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 18:34 |
| **Sulfate** | **451** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Aug-2025 18:34 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: HB |
| **Total Dissolved Solids (Residue, Filterable)** | **1,910** | | **3.00** | **10.0** | **mg/L** | 1 | 19-Aug-2025 09:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**Batch ID:** 231849 **Start Date:** 20 Aug 2025 12:00 **End Date:** 20 Aug 2025 12:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080725-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-12 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-13 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 231960 **Start Date:** 21 Aug 2025 08:30 **End Date:** 21 Aug 2025 08:30
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080725-14 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-15 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-16 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-17 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-18 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-19 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-20 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-21 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080725-22 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 231849 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25080725-01 | MW-01 | 13 Aug 2025 12:00 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:06 | 1 |
| HS25080725-02 | MW-02 | 13 Aug 2025 09:40 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:45 | 20 |
| HS25080725-02 | MW-02 | 13 Aug 2025 09:40 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:08 | 1 |
| HS25080725-03 | MW-06 | 13 Aug 2025 11:10 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:10 | 1 |
| HS25080725-04 | MW-09 | 13 Aug 2025 12:35 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:12 | 1 |
| HS25080725-05 | MW-16 | 13 Aug 2025 13:00 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:14 | 1 |
| HS25080725-06 | MW-17 | 13 Aug 2025 12:50 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:16 | 1 |
| HS25080725-07 | MW-18 | 13 Aug 2025 14:05 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:18 | 1 |
| HS25080725-08 | MW-19 | 13 Aug 2025 13:05 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:28 | 1 |
| HS25080725-09 | MW-20 | 13 Aug 2025 12:15 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:31 | 1 |
| HS25080725-10 | MW-21 | 13 Aug 2025 11:15 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:33 | 1 |
| HS25080725-11 | MW-22 | 13 Aug 2025 10:10 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:35 | 1 |
| HS25080725-12 | MW-27R | 13 Aug 2025 13:20 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:47 | 20 |
| HS25080725-12 | MW-27R | 13 Aug 2025 13:20 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:37 | 1 |
| HS25080725-13 | MW-28R | 13 Aug 2025 13:40 | | 20 Aug 2025 12:00 | 21 Aug 2025 11:39 | 1 |
| **Batch ID:** 231960 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25080725-14 | MW-47 | 13 Aug 2025 12:00 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:02 | 1 |
| HS25080725-15 | MW-48 | 13 Aug 2025 10:45 | | 21 Aug 2025 08:30 | 21 Aug 2025 13:54 | 1 |
| HS25080725-16 | MW-49 | 13 Aug 2025 09:55 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:29 | 1 |
| HS25080725-17 | MW-50 | 13 Aug 2025 13:30 | | 21 Aug 2025 08:30 | 21 Aug 2025 15:23 | 20 |
| HS25080725-17 | MW-50 | 13 Aug 2025 13:30 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:31 | 1 |
| HS25080725-18 | MW-51 | 13 Aug 2025 11:45 | | 21 Aug 2025 08:30 | 21 Aug 2025 15:25 | 20 |
| HS25080725-18 | MW-51 | 13 Aug 2025 11:45 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:33 | 1 |
| HS25080725-19 | MW-52 | 13 Aug 2025 10:20 | | 21 Aug 2025 08:30 | 21 Aug 2025 15:27 | 20 |
| HS25080725-19 | MW-52 | 13 Aug 2025 10:20 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:35 | 1 |
| HS25080725-20 | MW-53 | 13 Aug 2025 10:20 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:37 | 1 |
| HS25080725-21 | Field Blank-01 | 13 Aug 2025 13:10 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:39 | 1 |
| HS25080725-22 | Field Duplicate-01 | 13 Aug 2025 09:30 | | 21 Aug 2025 08:30 | 21 Aug 2025 15:29 | 20 |
| HS25080725-22 | Field Duplicate-01 | 13 Aug 2025 09:30 | | 21 Aug 2025 08:30 | 21 Aug 2025 14:41 | 1 |
| **Batch ID:** R519822 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25080725-01 | MW-01 | 13 Aug 2025 12:00 | | | 15 Aug 2025 14:30 | 1 |
| HS25080725-02 | MW-02 | 13 Aug 2025 09:40 | | | 15 Aug 2025 14:30 | 1 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R519904 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25080725-03 | MW-06 | 13 Aug 2025 11:10 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-04 | MW-09 | 13 Aug 2025 12:35 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-05 | MW-16 | 13 Aug 2025 13:00 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-06 | MW-17 | 13 Aug 2025 12:50 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-07 | MW-18 | 13 Aug 2025 14:05 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-08 | MW-19 | 13 Aug 2025 13:05 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-09 | MW-20 | 13 Aug 2025 12:15 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-10 | MW-21 | 13 Aug 2025 11:15 | | | 18 Aug 2025 08:00 | 1 |
| HS25080725-11 | MW-22 | 13 Aug 2025 10:10 | | | 18 Aug 2025 08:00 | 1 |
| **Batch ID:** R520020 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25080725-12 | MW-27R | 13 Aug 2025 13:20 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-13 | MW-28R | 13 Aug 2025 13:40 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-14 | MW-47 | 13 Aug 2025 12:00 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-15 | MW-48 | 13 Aug 2025 10:45 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-16 | MW-49 | 13 Aug 2025 09:55 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-17 | MW-50 | 13 Aug 2025 13:30 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-18 | MW-51 | 13 Aug 2025 11:45 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-19 | MW-52 | 13 Aug 2025 10:20 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-20 | MW-53 | 13 Aug 2025 10:20 | | | 19 Aug 2025 09:00 | 1 |
| HS25080725-22 | Field Duplicate-01 | 13 Aug 2025 09:30 | | | 19 Aug 2025 09:00 | 1 |
| **Batch ID:** R520051 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25080725-01 | MW-01 | 13 Aug 2025 12:00 | | | 19 Aug 2025 13:25 | 5 |
| HS25080725-01 | MW-01 | 13 Aug 2025 12:00 | | | 19 Aug 2025 11:57 | 1 |
| HS25080725-02 | MW-02 | 13 Aug 2025 09:40 | | | 19 Aug 2025 12:27 | 20 |
| HS25080725-03 | MW-06 | 13 Aug 2025 11:10 | | | 19 Aug 2025 12:09 | 1 |
| HS25080725-04 | MW-09 | 13 Aug 2025 12:35 | | | 19 Aug 2025 13:31 | 5 |
| HS25080725-04 | MW-09 | 13 Aug 2025 12:35 | | | 19 Aug 2025 12:15 | 1 |
| HS25080725-05 | MW-16 | 13 Aug 2025 13:00 | | | 19 Aug 2025 12:21 | 1 |
| HS25080725-06 | MW-17 | 13 Aug 2025 12:50 | | | 19 Aug 2025 12:56 | 1 |
| HS25080725-07 | MW-18 | 13 Aug 2025 14:05 | | | 19 Aug 2025 13:02 | 1 |
| HS25080725-08 | MW-19 | 13 Aug 2025 13:05 | | | 19 Aug 2025 13:07 | 1 |
| HS25080725-09 | MW-20 | 13 Aug 2025 12:15 | | | 19 Aug 2025 13:13 | 1 |
| HS25080725-10 | MW-21 | 13 Aug 2025 11:15 | | | 19 Aug 2025 13:48 | 5 |
| HS25080725-10 | MW-21 | 13 Aug 2025 11:15 | | | 19 Aug 2025 13:19 | 1 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R520053 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25080725-11 | MW-22 | 13 Aug 2025 10:10 | | | 19 Aug 2025 18:28 | 5 |
| HS25080725-11 | MW-22 | 13 Aug 2025 10:10 | | | 19 Aug 2025 16:02 | 1 |
| HS25080725-12 | MW-27R | 13 Aug 2025 13:20 | | | 19 Aug 2025 16:09 | 50 |
| HS25080725-13 | MW-28R | 13 Aug 2025 13:40 | | | 19 Aug 2025 16:14 | 1 |
| HS25080725-14 | MW-47 | 13 Aug 2025 12:00 | | | 19 Aug 2025 16:20 | 5 |
| HS25080725-15 | MW-48 | 13 Aug 2025 10:45 | | | 19 Aug 2025 16:26 | 10 |
| HS25080725-16 | MW-49 | 13 Aug 2025 09:55 | | | 19 Aug 2025 17:07 | 20 |
| HS25080725-17 | MW-50 | 13 Aug 2025 13:30 | | | 19 Aug 2025 17:13 | 20 |
| HS25080725-18 | MW-51 | 13 Aug 2025 11:45 | | | 19 Aug 2025 17:24 | 20 |
| HS25080725-19 | MW-52 | 13 Aug 2025 10:20 | | | 19 Aug 2025 17:30 | 20 |
| HS25080725-20 | MW-53 | 13 Aug 2025 10:20 | | | 19 Aug 2025 17:36 | 10 |
| **Batch ID:** R520058 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25080725-21 | Field Blank-01 | 13 Aug 2025 13:10 | | | 19 Aug 2025 18:52 | 1 |
| HS25080725-22 | Field Duplicate-01 | 13 Aug 2025 09:30 | | | 19 Aug 2025 18:34 | 10 |
| **Batch ID:** R520103 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25080725-21 | Field Blank-01 | 13 Aug 2025 13:10 | | | 20 Aug 2025 07:00 | 1 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R520313 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25080725-01 | MW-01 | 13 Aug 2025 12:00 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-02 | MW-02 | 13 Aug 2025 09:40 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-03 | MW-06 | 13 Aug 2025 11:10 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-04 | MW-09 | 13 Aug 2025 12:35 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-05 | MW-16 | 13 Aug 2025 13:00 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-06 | MW-17 | 13 Aug 2025 12:50 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-07 | MW-18 | 13 Aug 2025 14:05 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-08 | MW-19 | 13 Aug 2025 13:05 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-09 | MW-20 | 13 Aug 2025 12:15 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-10 | MW-21 | 13 Aug 2025 11:15 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-11 | MW-22 | 13 Aug 2025 10:10 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-12 | MW-27R | 13 Aug 2025 13:20 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-13 | MW-28R | 13 Aug 2025 13:40 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-14 | MW-47 | 13 Aug 2025 12:00 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-15 | MW-48 | 13 Aug 2025 10:45 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-16 | MW-49 | 13 Aug 2025 09:55 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-17 | MW-50 | 13 Aug 2025 13:30 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-18 | MW-51 | 13 Aug 2025 11:45 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-19 | MW-52 | 13 Aug 2025 10:20 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-20 | MW-53 | 13 Aug 2025 10:20 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-21 | Field Blank-01 | 13 Aug 2025 13:10 | | | 22 Aug 2025 15:08 | 1 |
| HS25080725-22 | Field Duplicate-01 | 13 Aug 2025 09:30 | | | 22 Aug 2025 15:08 | 1 |

WorkOrder: HS25080725
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0250 | 0.0217 | 0.00800 | 0.0500 |
| A | Calcium | 7440-70-2 | 0.250 | 0.241 | 0.120 | 0.500 |
| A | Sodium | 7440-23-5 | 0.250 | 0.258 | 0.130 | 0.500 |

WorkOrder: HS25080725
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25080725
InstrumentID: ICS-Integrion
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Chloride | 16887-00-6 | 0.250 | 0.389 | 0.200 | 0.500 |
| A | Sulfate | 14808-79-8 | 0.250 | 0.328 | 0.200 | 0.500 |

WorkOrder: HS25080725
InstrumentID: Balance1
Test Code: TDS_W 2540C
Test Number: M2540C
Test Name: Total Dissolved Solids by SM2540C

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Total Dissolved Solids (Residue, Filterable) | TDS | 6.00 | 6.00 | 3.00 | 10.0 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: 231849 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-231849** Units: **mg/L** Analysis Date: **21-Aug-2025 10:25**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996636** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.00800 | 0.0500 | | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | | |
| Sodium | < 0.130 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-231849** Units: **mg/L** Analysis Date: **21-Aug-2025 10:27**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996637** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4037 | 0.0500 | 0.5 | 0 | 80.7 | 80 - 120 | | | | |
| Calcium | 4.509 | 0.500 | 5 | 0 | 90.2 | 80 - 120 | | | | |
| Sodium | 4.468 | 0.500 | 5 | 0 | 89.4 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080673-01MS** Units: **mg/L** Analysis Date: **21-Aug-2025 10:48**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996785** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.8139 | 0.0500 | 0.5 | 0.3933 | 84.1 | 80 - 120 | | | | |
| Calcium | 176.5 | 0.500 | 5 | 174.1 | 47.9 | 80 - 120 | | | | SO |
| Sodium | 67.69 | 0.500 | 5 | 65.12 | 51.3 | 80 - 120 | | | | SO |

**MSD** Sample ID: **HS25080673-01MSD** Units: **mg/L** Analysis Date: **21-Aug-2025 10:50**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996786** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.8238 | 0.0500 | 0.5 | 0.3933 | 86.1 | 80 - 120 | 0.8139 | 1.21 | 20 | |
| Calcium | 176.5 | 0.500 | 5 | 174.1 | 47.1 | 80 - 120 | 176.5 | 0.0212 | 20 | SO |
| Sodium | 67.38 | 0.500 | 5 | 65.12 | 45.1 | 80 - 120 | 67.69 | 0.455 | 20 | SO |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: 231849 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25080673-01PDS** Units: **mg/L** Analysis Date: **21-Aug-2025 10:52**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996787** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.8178 | 0.0500 | 0.5 | 0.3933 | 84.9 | 75 - 125 | | | | |
| Calcium | 177.9 | 0.500 | 10 | 174.1 | 37.9 | 75 - 125 | | | | SO |
| Sodium | 72.71 | 0.500 | 10 | 65.12 | 75.8 | 75 - 125 | | | | O |

**SD** Sample ID: **HS25080673-01SD** Units: **mg/L** Analysis Date: **21-Aug-2025 10:41**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8996782** PrepDate: **20-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.3994 | 0.250 | | | | | 0.3933 | 1.55 | 10 | |
| Calcium | 178.3 | 2.50 | | | | | 174.1 | 2.41 | 10 | |
| Sodium | 65.42 | 2.50 | | | | | 65.12 | 0.457 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-01 | HS25080725-02 | HS25080725-03 | HS25080725-04 |
| HS25080725-05 | HS25080725-06 | HS25080725-07 | HS25080725-08 |
| HS25080725-09 | HS25080725-10 | HS25080725-11 | HS25080725-12 |
| HS25080725-13 | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: 231960 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-231960** Units: **mg/L** Analysis Date: **21-Aug-2025 13:46**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8997500** PrepDate: **21-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.00800 | 0.0500 | | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-231960** Units: **mg/L** Analysis Date: **21-Aug-2025 13:48**
Client ID: Run ID: **ICPMS06_520178** SeqNo: **8997501** PrepDate: **21-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.43 | 0.0500 | 0.5 | 0 | 86.0 | 80 - 120 | | | | |
| Calcium | 4.732 | 0.500 | 5 | 0 | 94.6 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080725-15MS** Units: **mg/L** Analysis Date: **21-Aug-2025 13:56**
Client ID: **MW-48** Run ID: **ICPMS06_520178** SeqNo: **8997505** PrepDate: **21-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4509 | 0.0500 | 0.5 | 0.01504 | 87.2 | 80 - 120 | | | | |
| Calcium | 66.78 | 0.500 | 5 | 62.47 | 86.1 | 80 - 120 | | | | O |

**MSD** Sample ID: **HS25080725-15MSD** Units: **mg/L** Analysis Date: **21-Aug-2025 13:58**
Client ID: **MW-48** Run ID: **ICPMS06_520178** SeqNo: **8997506** PrepDate: **21-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4345 | 0.0500 | 0.5 | 0.01504 | 83.9 | 80 - 120 | 0.4509 | 3.71 | 20 | |
| Calcium | 62.28 | 0.500 | 5 | 62.47 | -3.80 | 80 - 120 | 66.78 | 6.97 | 20 | SO |

**PDS** Sample ID: **HS25080725-15PDS** Units: **mg/L** Analysis Date: **21-Aug-2025 14:00**
Client ID: **MW-48** Run ID: **ICPMS06_520178** SeqNo: **8997507** PrepDate: **21-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4622 | 0.0500 | 0.5 | 0.01504 | 89.4 | 75 - 125 | | | | |
| Calcium | 68.13 | 0.500 | 10 | 62.47 | 56.6 | 75 - 125 | | | | SO |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: 231960 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25080725-15SD** Units: **mg/L** Analysis Date: **21-Aug-2025 13:50**
Client ID: **MW-48** Run ID: **ICPMS06_520178** SeqNo: **8997502** PrepDate: **21-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0400 | 0.250 | | | | | 0.01504 | 0 | 10 | |
| Calcium | 64.34 | 2.50 | | | | | 62.47 | 2.99 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-14 | HS25080725-15 | HS25080725-16 | HS25080725-17 |
| HS25080725-18 | HS25080725-19 | HS25080725-20 | HS25080725-21 |
| HS25080725-22 | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R519822 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-08152025** Units: **mg/L** Analysis Date: **15-Aug-2025 14:30**
Client ID: Run ID: **Balance1_519822** SeqNo: **8988966** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-08152025** Units: **mg/L** Analysis Date: **15-Aug-2025 14:30**
Client ID: Run ID: **Balance1_519822** SeqNo: **8988965** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 924 | 10.0 | 1000 | 0 | 92.4 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25080725-02DUP** Units: **mg/L** Analysis Date: **15-Aug-2025 14:30**
Client ID: **MW-02** Run ID: **Balance1_519822** SeqNo: **8988964** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1572 | 10.0 | | | | | 1576 | 0.254 | 20 | |

**DUP** Sample ID: **HS25080662-01DUP** Units: **mg/L** Analysis Date: **15-Aug-2025 14:30**
Client ID: Run ID: **Balance1_519822** SeqNo: **8988944** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 4580 | 10.0 | | | | | 4540 | 0.877 | 20 | |

**The following samples were analyzed in this batch:** HS25080725-01 HS25080725-02

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R519904 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-08182025** Units: **mg/L** Analysis Date: **18-Aug-2025 08:00**
Client ID: Run ID: **Balance1_519904** SeqNo: **8990536** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-08182025** Units: **mg/L** Analysis Date: **18-Aug-2025 08:00**
Client ID: Run ID: **Balance1_519904** SeqNo: **8990535** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1020 | 10.0 | 1000 | 0 | 102 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25080811-01DUP** Units: **mg/L** Analysis Date: **18-Aug-2025 08:00**
Client ID: Run ID: **Balance1_519904** SeqNo: **8990529** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 2720 | 10.0 | | | | | 2640 | 2.99 | 20 | |

**DUP** Sample ID: **HS25080773-01DUP** Units: **mg/L** Analysis Date: **18-Aug-2025 08:00**
Client ID: Run ID: **Balance1_519904** SeqNo: **8990527** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 2550 | 10.0 | | | | | 2210 | 14.3 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-03 | HS25080725-04 | HS25080725-05 | HS25080725-06 |
| HS25080725-07 | HS25080725-08 | HS25080725-09 | HS25080725-10 |
| HS25080725-11 | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520020 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-08192025** Units: **mg/L** Analysis Date: **19-Aug-2025 09:00**
Client ID: Run ID: **Balance1_520020** SeqNo: **8993329** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-08192025** Units: **mg/L** Analysis Date: **19-Aug-2025 09:00**
Client ID: Run ID: **Balance1_520020** SeqNo: **8993328** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1010 | 10.0 | 1000 | 0 | 101 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25080856-03DUP** Units: **mg/L** Analysis Date: **19-Aug-2025 09:00**
Client ID: Run ID: **Balance1_520020** SeqNo: **8993320** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 3140 | 10.0 | | | | | 3140 | 0 | 20 | |

**DUP** Sample ID: **HS25080725-15DUP** Units: **mg/L** Analysis Date: **19-Aug-2025 09:00**
Client ID: **MW-48** Run ID: **Balance1_520020** SeqNo: **8993310** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1080 | 10.0 | | | | | 1000 | 7.69 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-12 | HS25080725-13 | HS25080725-14 | HS25080725-15 |
| HS25080725-16 | HS25080725-17 | HS25080725-18 | HS25080725-19 |
| HS25080725-20 | HS25080725-22 | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520051 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **19-Aug-2025 10:07**
Client ID: Run ID: **ICS-Integrion_520051** SeqNo: **8994150** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **19-Aug-2025 10:12**
Client ID: Run ID: **ICS-Integrion_520051** SeqNo: **8994151** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 19.54 | 0.500 | 20 | 0 | 97.7 | 90 - 110 | | | | |
| Sulfate | 19.88 | 0.500 | 20 | 0 | 99.4 | 90 - 110 | | | | |

**MS** Sample ID: **HS25080867-01MS** Units: **mg/L** Analysis Date: **19-Aug-2025 10:24**
Client ID: Run ID: **ICS-Integrion_520051** SeqNo: **8994153** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 337.3 | 5.00 | 100 | 233.1 | 104 | 80 - 120 | | | | |
| Sulfate | 643.4 | 5.00 | 100 | 543 | 100 | 80 - 120 | | | | O |

**MS** Sample ID: **HS25080725-03MS** Units: **mg/L** Analysis Date: **19-Aug-2025 13:37**
Client ID: **MW-06** Run ID: **ICS-Integrion_520051** SeqNo: **8994180** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 76.55 | 0.500 | 10 | 68.62 | 79.3 | 80 - 120 | | | | SO |
| Sulfate | 34.62 | 0.500 | 10 | 25.72 | 89.0 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25080867-01MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 10:30**
Client ID: Run ID: **ICS-Integrion_520051** SeqNo: **8994154** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 337.8 | 5.00 | 100 | 233.1 | 105 | 80 - 120 | 337.3 | 0.142 | 20 | |
| Sulfate | 643.1 | 5.00 | 100 | 543 | 100 | 80 - 120 | 643.4 | 0.0529 | 20 | O |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID:** R520051 ( 0 ) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MSD** Sample ID: **HS25080725-03MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 13:42**
Client ID: **MW-06** Run ID: **ICS-Integrion_520051** SeqNo: **8994181** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 76.54 | 0.500 | 10 | 68.62 | 79.3 | 80 - 120 | 76.55 | 0.00392 | 20 | SO |
| Sulfate | 34.6 | 0.500 | 10 | 25.72 | 88.8 | 80 - 120 | 34.62 | 0.0494 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-01 | HS25080725-02 | HS25080725-03 | HS25080725-04 |
| HS25080725-05 | HS25080725-06 | HS25080725-07 | HS25080725-08 |
| HS25080725-09 | HS25080725-10 | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520053 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **19-Aug-2025 14:17**
Client ID: Run ID: **ICS-Integrion_520053** SeqNo: **8994227** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **19-Aug-2025 14:29**
Client ID: Run ID: **ICS-Integrion_520053** SeqNo: **8994228** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 19.76 | 0.500 | 20 | 0 | 98.8 | 90 - 110 | | | | |
| Sulfate | 19.96 | 0.500 | 20 | 0 | 99.8 | 90 - 110 | | | | |

**MS** Sample ID: **HS25080878-06MS** Units: **mg/L** Analysis Date: **19-Aug-2025 15:10**
Client ID: Run ID: **ICS-Integrion_520053** SeqNo: **8994235** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 123.7 | 0.500 | 10 | 115.6 | 80.3 | 80 - 120 | | | | EO |
| Sulfate | 33.45 | 0.500 | 10 | 23.65 | 97.9 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080725-15MS** Units: **mg/L** Analysis Date: **19-Aug-2025 16:32**
Client ID: **MW-48** Run ID: **ICS-Integrion_520053** SeqNo: **8994247** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 310.9 | 5.00 | 100 | 209.1 | 102 | 80 - 120 | | | | |
| Sulfate | 382.9 | 5.00 | 100 | 288.3 | 94.7 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25080878-06MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 15:16**
Client ID: Run ID: **ICS-Integrion_520053** SeqNo: **8994236** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 123.6 | 0.500 | 10 | 115.6 | 79.7 | 80 - 120 | 123.7 | 0.0453 | 20 | SEO |
| Sulfate | 33.49 | 0.500 | 10 | 23.65 | 98.3 | 80 - 120 | 33.45 | 0.111 | 20 | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID:** R520053 ( 0 ) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MSD** Sample ID: **HS25080725-15MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 16:38**
Client ID: **MW-48** Run ID: **ICS-Integrion_520053** SeqNo: **8994248** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 311 | 5.00 | 100 | 209.1 | 102 | 80 - 120 | 310.9 | 0.0386 | 20 | |
| Sulfate | 382.7 | 5.00 | 100 | 288.3 | 94.4 | 80 - 120 | 382.9 | 0.0624 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080725-11 | HS25080725-12 | HS25080725-13 | HS25080725-14 |
| HS25080725-15 | HS25080725-16 | HS25080725-17 | HS25080725-18 |
| HS25080725-19 | HS25080725-20 | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520058 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **19-Aug-2025 19:50**
Client ID: Run ID: **ICS-Integrion_520058** SeqNo: **8994342** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **19-Aug-2025 20:02**
Client ID: Run ID: **ICS-Integrion_520058** SeqNo: **8994343** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 19.73 | 0.500 | 20 | 0 | 98.7 | 90 - 110 | | | | |
| Sulfate | 19.98 | 0.500 | 20 | 0 | 99.9 | 90 - 110 | | | | |

**MS** Sample ID: **HS25080725-22MS** Units: **mg/L** Analysis Date: **19-Aug-2025 18:40**
Client ID: **Field Duplicate-01** Run ID: **ICS-Integrion_520058** SeqNo: **8995182** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 378.2 | 5.00 | 100 | 281.7 | 96.5 | 80 - 120 | | | | |
| Sulfate | 535.3 | 5.00 | 100 | 451.2 | 84.1 | 80 - 120 | | | | O |

**MS** Sample ID: **HS25080615-01MS** Units: **mg/L** Analysis Date: **19-Aug-2025 19:03**
Client ID: Run ID: **ICS-Integrion_520058** SeqNo: **8994336** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 588.9 | 5.00 | 100 | 483.5 | 105 | 80 - 120 | | | | O |
| Sulfate | 424.9 | 5.00 | 100 | 333.1 | 91.8 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25080725-22MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 18:46**
Client ID: **Field Duplicate-01** Run ID: **ICS-Integrion_520058** SeqNo: **8995183** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 378.9 | 5.00 | 100 | 281.7 | 97.2 | 80 - 120 | 378.2 | 0.193 | 20 | |
| Sulfate | 534.6 | 5.00 | 100 | 451.2 | 83.3 | 80 - 120 | 535.3 | 0.137 | 20 | O |

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520058 ( 0 )** **Instrument: ICS-Integrion** **Method: ANIONS BY E300.0, REV 2.1, 1993**

**MSD** Sample ID: **HS25080615-01MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 19:09**
Client ID: Run ID: **ICS-Integrion_520058** SeqNo: **8994337** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 588.1 | 5.00 | 100 | 483.5 | 105 | 80 - 120 | 588.9 | 0.139 | 20 | O |
| Sulfate | 424.1 | 5.00 | 100 | 333.1 | 91.1 | 80 - 120 | 424.9 | 0.17 | 20 | |

**The following samples were analyzed in this batch:** HS25080725-21 HS25080725-22

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** HS25080725

**QC BATCH REPORT**

**Batch ID: R520103 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-08202025** Units: **mg/L** Analysis Date: **20-Aug-2025 07:00**
Client ID: Run ID: **Balance1_520103** SeqNo: **8995271** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-08202025** Units: **mg/L** Analysis Date: **20-Aug-2025 07:00**
Client ID: Run ID: **Balance1_520103** SeqNo: **8995270** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 998 | 10.0 | 1000 | 0 | 99.8 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25080932-05DUP** Units: **mg/L** Analysis Date: **20-Aug-2025 07:00**
Client ID: Run ID: **Balance1_520103** SeqNo: **8995263** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 15920 | 10.0 | | | | | 16500 | 3.58 | 20 | |

**DUP** Sample ID: **HS25080902-01DUP** Units: **mg/L** Analysis Date: **20-Aug-2025 07:00**
Client ID: Run ID: **Balance1_520103** SeqNo: **8995257** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 30060 | 10.0 | | | | | 29800 | 0.869 | 20 | |

**The following samples were analyzed in this batch:** HS25080725-21

**Client:** TRC
**Project:** NRG Limestone-Appendix III
**WorkOrder:** **HS25080725**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| California | 2919 - 2025 | 30-Apr-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-2025 | 30-Jun-2026 |
| Illinois | 200032 - 2025 | 31-Jul-2026 |
| Kansas | KS-C25-00168 | 31-Jul-2026 |
| Kentucky | 123043-2025 | 30-Apr-2026 |
| Louisiana | 03087-2025 | 30-Jun-2026 |
| Maine | 2024017 | 23-Jun-2026 |
| Michigan | 9971-2025 | 30-Apr-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| Nebraska | NE-OS-25-13 - 2025 | 30-Apr-2026 |
| Nevada | NV-C25-00124 - 2025 | 31-Jul-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008-2025 | 30-Jun-2026 |
| New York | 11707 - 2025 | 01-Apr-2026 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oklahoma | 2023-140 | 31-Aug-2025 |
| Oregon | TX200002-013 | 15-May-2026 |
| Pennsylvania | 019 | 01-Jul-2026 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2026 |

## Sample Receipt Checklist

**Work Order ID:** HS25080725 **Date/Time Received:** **14-Aug-2025 11:30**

**Client Name:** TRC-HOU **Received by:** **Chelsea Rogers**

| **Completed By:** | /S/ Kaycee Rogers | 14-Aug-2025 20:30 | **Reviewed by:** | /S/ Beverly Mustafa | 15-Aug-2025 09:25 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **W** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 3 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:345463, 345462, 345461 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☐ | No ☑ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |

| | | |
|---|---|---|
| Temperature(s)/Thermometer(s): | 3.5UC/3.5C, 4.9UC/4.9C | IR 37 |
| Cooler(s)/Kit(s): | 53740, 51933 | |
| Date/Time sample(s) sent to storage: | 0814/2025 2030 | |

| | | | |
|---|---|---|---|
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes: Sample label time differs: MW-19 Chain of Custody- 1305 Label- 1310, Field Blank-01 Chain of Custody- 1310 Label- 1305

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 1 of 3

COC ID: 345463

**HS25080725**

TRC

NRG Limestone-Appendix III

ALS Project Manager:

| Customer Information | | Project Information | |
|---|---|---|---|
| Purchase Order | 427697 | Project Name | NRG Limestone- Appendix III |
| Work Order | | Project Number | 528473.0000.0000 |
| Company Name | TRC Corporation | Bill To Company | TRC |
| Send Report To | Lori Burns | Invoice Attn | A/P |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com |

| | |
|---|---|
| A | ICP_TW (B and Ca (App III)) |
| B | 300_W (Cl, SO4) |
| C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| D | TDS_W 2540C (TDS) |
| E | ICP_TW (B, Ca, and Na (App III)) |
| F | |
| G | |
| H | |
| I | |
| J | |

| # | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-01 | 8-13-25 | 1200 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-02 | | 940 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-03 | | 1110 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-09 | | 1235 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-16 | | 1300 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | 17 | | 1250 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | 18 | | 1405 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | | | 1305 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | | | 1215 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW | | 1115 | Water | 2,8 | 3 | | X | X | X | X | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin/Matt Tolan

Shipment Method: Courier. Drop off

Required Turnaround Time: (Check Box) ☐ Std. 10 W/K Days ☒ 5 W/K Days ☐ 2 W/K Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Jaryn Sims | 8/14/25 | 11:30 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): CR 08/14/25 1130 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| IR37 | CH0.0 |
| 53740 | 3.5 |
| Blue | 1.6 |
| 52484 | 4.1 |
| 53799 | 1.8 |

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 2 of 3

COC ID: 345462

**HS25080725**

TRC

NRG Limestone-Appendix III

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG Limestone- Appendix III | A | ICP_TW (B and Ca (App III)) |
| Work Order | | Project Number | 528473.0000.0000 | B | 300_W (Cl, SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | TDS_W 2540C (TDS) |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | ICP_TW (B, Ca, and Na (App III)) |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

ALS Project Manager:

| | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-22 | 8-13-25 | 1010 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-27R | | 1320 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-28R | | 1340 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-47 | | 1200 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-48 | | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-49 | | 955 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-50 | | 1330 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-51 | | 1145 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-52 | | 1020 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| | MW-53 | | 1020 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin / Hunter Keen

Shipment Method: Consult. Drop off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Jorge Simal | 8/14/25 | 11:30 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): CR 08/14/25 1130 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| 1237 | C+0.0 |
| 53140 | 3.5 |
| BLUE | 1.6 |
| 52484 | 4.1 |
| 53799 | 1.8 |

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody For

Page 3 of 3

COC ID: 345461

**HS25080725**

TRC

NRG Limestone-Appendix III

ALS Project Manager:

| Customer Information | | Project Information | |
|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG Limestone- Appendix III |
| Work Order | | Project Number | 528473.0000.0000 |
| Company Name | TRC Corporation | Bill To Company | TRC |
| Send Report To | Lori Burris | Invoice Attn | A/P |
| Address | 11767 Katy Freeway<br>Suite 230 | Address | 11767 Katy Freeway<br>Suite 850 |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com |

| | |
|---|---|
| A | ICP_TW (B and Ca (App III)) |
| B | 300_W (Cl, SO4) |
| C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| D | TDS_W 2540C (TDS) |
| E | ICP_TW (B, Ca, and Na (App III)) |
| F | |
| G | |
| H | |
| I | |
| J | |

| | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-48-MS | 8-13-25 | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-48-MSD | ↓ | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | Field Blank-01 | | 1310 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | Field Duplicate-01 | ↓ | 930 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin / HMT Team

Shipment Method: Consult - Dropoff

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 2d Hour ☐ Other

Results Due Date:

| | | | | |
|---|---|---|---|---|
| Relinquished by: Jaryn Sims | Date: 8/14/25 | Time: 11:30 | Received by: | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): OB 8/14/25 1130 | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| CO.O | FIC3-T |
| 53740 | 3.5 |
| Blue | 1.6 |
| 52484 | 4.1 |
| 53799 | 1.8 |

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

ALS
10450 Stancliff Rd., Su.
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

53740

**CUSTODY SEAL**

Date: 8/14/25 Time: 1135
Name: [illegible]
Company: Hunt

Seal Broken By: SM
Date: 08/14/25

53740 AUG 14 2025

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51933

**CUSTODY SEAL**

Date: 8/14/25 Time: 1135
Name: [illegible]
Company: Hunt

Seal Broken By: SM
Date: 08/14/25

51933 AUG 14 2025

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51933

**CUSTODY SEAL**

Date: 8/14/25 Time: 1135
Name: [illegible]
Company: Hunt

Seal Broken By: SM
Date: 08/14/25

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

# Chain of Custody Form



COC ID: 345463

| ALS Project Manager: | | ALS Work Order #: | |
|---|---|---|---|

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG Limestone- Appendix III | A | ICP_TW (B and Ca (App III)) |
| Work Order | | Project Number | 528473.0000.0000 | B | 300_W (Cl, SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burns | Invoice Attn | A/P | D | TDS_W 2540C (TDS) |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | ICP_TW (B, Ca, and Na (App III)) |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-01 | 8-13-25 | 1200 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-02 | | 940 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | MW-06 | | 1110 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | MW-09 | | 1235 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 5 | MW-16 | | 1300 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 6 | MW-17 | | 1250 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 7 | MW-18 | | 1405 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 8 | MW-19 | | 1305 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 9 | MW-20 | | 1215 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 10 | MW-21 | ↓ | 1115 | Water | 2,8 | 3 | | X | X | X | X | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin / Hillin Team

Shipment Method: Consult drop off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

# Chain of Custody Form



COC ID: 345462

ALS Project Manager: | ALS Work Order #:

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG Limestone- Appendix III | A | ICP_TW (B and Ca (App III)) |
| Work Order | | Project Number | 528473.0000.0000 | B | 300_W (Cl, SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | TDS_W 2540C (TDS) |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | ICP_TW (B, Ca, and Na (App III)) |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1900 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1999 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-22 | 8-13-25 | 1010 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-27R | | 1320 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | MW-28R | | 1340 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | MW-47 | | 1200 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 5 | MW-48 | | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 6 | MW-49 | | 955 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 7 | MW-50 | | 1330 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 8 | MW-51 | | 1145 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 9 | MW-52 | | 1020 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 10 | MW-53 | | 1020 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin / Hall Team

Shipment Method: Courier Drop off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SVM4/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

# Chain of Custody Form



COC ID: 345461

ALS Project Manager: | ALS Work Order #:

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227687 | Project Name | NRG Limestone- Appendix III | A | ICP_TW (B and Ca (App III)) |
| Work Order | | Project Number | 528473.0000.0000 | B | 300_W (Cl, SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | TDS_W 2540C (TDS) |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | ICP_TW (B, Ca, and Na (App III)) |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-98 - MS | 8-13-25 | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-98 - MSD | ↓ | 1045 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | Field Blank - 01 | | 1310 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | Field Duplicate - 01 | ↓ | 930 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin / HMZ Team

Shipment Method: Courier - Dropoff

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other _____
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Privileged and Confidential

Copyright 2011 by ALS Environmental.

22-Aug-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25080725** Work Order: **25080115**

Dear Andrew,

ALS Environmental received 22 samples on 19-Aug-2025 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 38.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

**Report of Laboratory Analysis**

Certificate No: TX: T104704494

**ALS Group, USA** **Date:** *22-Aug-25*

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25080725 |
| **Work Order:** | 25080115 |

## TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC Chapter 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | |
|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR 1_250819B | Instrument ID: TITRATOR1 |
| Method: FL_4500C_W | Work order Number (s): 25080115 | |
| Analyst Name: KB | Date: 08/19/25 Reviewer Name: QN | Date: 8/20/2025 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

## ALS Group, USA

Date: 22-Aug-25

**Client:** ALS Environmental
**Project:** HS25080725
**Work Order:** **25080115**

# Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25080115-01 | MW-01 | Water | HS2508025-01 | 8/13/2025 12:00 | 8/19/2025 09:00 | ☐ |
| 25080115-02 | MW-02 | Water | HS2508025-02 | 8/13/2025 09:40 | 8/19/2025 09:00 | ☐ |
| 25080115-03 | MW-06 | Water | HS2508025-03 | 8/13/2025 11:10 | 8/19/2025 09:00 | ☐ |
| 25080115-04 | MW-09 | Water | HS2508025-04 | 8/13/2025 12:35 | 8/19/2025 09:00 | ☐ |
| 25080115-05 | MW-16 | Water | HS2508025-05 | 8/13/2025 13:00 | 8/19/2025 09:00 | ☐ |
| 25080115-06 | MW-17 | Water | HS2508025-06 | 8/13/2025 12:50 | 8/19/2025 09:00 | ☐ |
| 25080115-07 | MW-18 | Water | HS2508025-07 | 8/13/2025 14:05 | 8/19/2025 09:00 | ☐ |
| 25080115-08 | MW-19 | Water | HS2508025-08 | 8/13/2025 13:05 | 8/19/2025 09:00 | ☐ |
| 25080115-09 | MW-20 | Water | HS2508025-09 | 8/13/2025 12:15 | 8/19/2025 09:00 | ☐ |
| 25080115-10 | MW-21 | Water | HS2508025-10 | 8/13/2025 11:15 | 8/19/2025 09:00 | ☐ |
| 25080115-11 | MW-22 | Water | HS2508025-11 | 8/13/2025 10:10 | 8/19/2025 09:00 | ☐ |
| 25080115-12 | MW-27R | Water | HS2508025-12 | 8/13/2025 13:20 | 8/19/2025 09:00 | ☐ |
| 25080115-13 | MW-28R | Water | HS2508025-13 | 8/13/2025 13:40 | 8/19/2025 09:00 | ☐ |
| 25080115-14 | MW-47 | Water | HS2508025-14 | 8/13/2025 12:00 | 8/19/2025 09:00 | ☐ |
| 25080115-15 | MW-48 | Water | HS2508025-15 | 8/13/2025 10:45 | 8/19/2025 09:00 | ☐ |
| 25080115-16 | MW-49 | Water | HS2508025-16 | 8/13/2025 09:55 | 8/19/2025 09:00 | ☐ |
| 25080115-17 | MW-50 | Water | HS2508025-17 | 8/13/2025 13:30 | 8/19/2025 09:00 | ☐ |
| 25080115-18 | MW-51 | Water | HS2508025-18 | 8/13/2025 11:45 | 8/19/2025 09:00 | ☐ |
| 25080115-19 | MW-52 | Water | HS2508025-19 | 8/13/2025 10:20 | 8/19/2025 09:00 | ☐ |
| 25080115-20 | MW-53 | Water | HS2508025-20 | 8/13/2025 10:20 | 8/19/2025 09:00 | ☐ |
| 25080115-21 | Field Blank-01 | Water | HS2508025-21 | 8/13/2025 13:10 | 8/19/2025 09:00 | ☐ |
| 25080115-22 | Field Duplicate-01 | Water | HS2508025-22 | 8/13/2025 09:30 | 8/19/2025 09:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25080725
**WorkOrder:** **25080115**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25080725
**Work Order:** 25080115

# Case Narrative

Samples for the above noted Work Order were received on 08/19/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25080115
**Client:** ALS Environmental
**Project:** HS25080725

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R423329 **Test Name:** Fluoride | | | | | | |
| 25080115-01 | MW-01 | Water | 8/13/2025 12:00:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-02 | MW-02 | | 8/13/2025 9:40:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-03 | MW-06 | | 8/13/2025 11:10:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-04 | MW-09 | | 8/13/2025 12:35:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-05 | MW-16 | | 8/13/2025 1:00:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-06 | MW-17 | | 8/13/2025 12:50:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-07 | MW-18 | | 8/13/2025 2:05:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-08 | MW-19 | | 8/13/2025 1:05:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-09 | MW-20 | | 8/13/2025 12:15:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-10 | MW-21 | | 8/13/2025 11:15:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-11 | MW-22 | | 8/13/2025 10:10:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-12 | MW-27R | | 8/13/2025 1:20:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-13 | MW-28R | | 8/13/2025 1:40:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-14 | MW-47 | | 8/13/2025 12:00:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-15 | MW-48 | | 8/13/2025 10:45:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-16 | MW-49 | | 8/13/2025 9:55:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-17 | MW-50 | | 8/13/2025 1:30:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-18 | MW-51 | | 8/13/2025 11:45:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-19 | MW-52 | | 8/13/2025 10:20:00 AM | | | 8/19/2025 03:40 PM |
| 25080115-20 | MW-53 | | | | | 8/19/2025 03:40 PM |
| 25080115-21 | Field Blank-01 | | 8/13/2025 1:10:00 PM | | | 8/19/2025 03:40 PM |
| 25080115-22 | Field Duplicate-01 | | 8/13/2025 9:30:00 AM | | | 8/19/2025 03:40 PM |

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-01
**Collection Date:** 8/13/2025 12:00 PM

**Work Order:** 25080115
**Lab ID:** 25080115-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0700** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-02
**Collection Date:** 8/13/2025 09:40 AM

**Work Order:** 25080115
**Lab ID:** 25080115-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0600** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-06
**Collection Date:** 8/13/2025 11:10 AM

**Work Order:** 25080115
**Lab ID:** 25080115-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-09
**Collection Date:** 8/13/2025 12:35 PM

**Work Order:** 25080115
**Lab ID:** 25080115-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.120** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-16
**Collection Date:** 8/13/2025 01:00 PM

**Work Order:** 25080115
**Lab ID:** 25080115-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.680** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-17
**Collection Date:** 8/13/2025 12:50 PM

**Work Order:** 25080115
**Lab ID:** 25080115-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.120** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-18
**Collection Date:** 8/13/2025 02:05 PM

**Work Order:** 25080115
**Lab ID:** 25080115-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0900** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-19
**Collection Date:** 8/13/2025 01:05 PM

**Work Order:** 25080115
**Lab ID:** 25080115-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-20
**Collection Date:** 8/13/2025 12:15 PM

**Work Order:** 25080115
**Lab ID:** 25080115-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.210** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-21
**Collection Date:** 8/13/2025 11:15 AM

**Work Order:** 25080115
**Lab ID:** 25080115-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-22
**Collection Date:** 8/13/2025 10:10 AM

**Work Order:** 25080115
**Lab ID:** 25080115-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-27R
**Collection Date:** 8/13/2025 01:20 PM

**Work Order:** 25080115
**Lab ID:** 25080115-12
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-28R
**Collection Date:** 8/13/2025 01:40 PM

**Work Order:** 25080115
**Lab ID:** 25080115-13
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.710** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-47
**Collection Date:** 8/13/2025 12:00 PM

**Work Order:** 25080115
**Lab ID:** 25080115-14
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.290** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-48
**Collection Date:** 8/13/2025 10:45 AM

**Work Order:** 25080115
**Lab ID:** 25080115-15
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.200** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-49
**Collection Date:** 8/13/2025 09:55 AM

**Work Order:** 25080115
**Lab ID:** 25080115-16
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0700** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-50
**Collection Date:** 8/13/2025 01:30 PM

**Work Order:** 25080115
**Lab ID:** 25080115-17
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-51
**Collection Date:** 8/13/2025 11:45 AM

**Work Order:** 25080115
**Lab ID:** 25080115-18
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-52
**Collection Date:** 8/13/2025 10:20 AM

**Work Order:** 25080115
**Lab ID:** 25080115-19
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0900** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** MW-53
**Collection Date:** 8/13/2025 10:20 AM

**Work Order:** 25080115
**Lab ID:** 25080115-20
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.530** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** Field Blank-01
**Collection Date:** 8/13/2025 01:10 PM

**Work Order:** 25080115
**Lab ID:** 25080115-21
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080725
**Sample ID:** Field Duplicate-01
**Collection Date:** 8/13/2025 09:30 AM

**Work Order:** 25080115
**Lab ID:** 25080115-22
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0900** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** 22-Aug-25

**WorkOrder:** 25080115
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# QC BATCH REPORT

Batch ID: **R423329** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593868** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**MBLK** Sample ID: **MB-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593894** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593869** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.83 | 0.058 | 0.10 | 5 | 0 | 96.6 | 90-111 | 0 | | | |

**LCS** Sample ID: **LCS-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593895** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.93 | 0.058 | 0.10 | 5 | 0 | 98.6 | 90-111 | 0 | | | |

**MS** Sample ID: **25080115-01A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: **MW-01** Run ID: **TITRATOR 1_250819B** SeqNo: **11593871** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.98 | 0.058 | 0.10 | 5 | 0.07 | 98.2 | 90-111 | 0 | | | |

**MS** Sample ID: **25080115-15A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: **MW-48** Run ID: **TITRATOR 1_250819B** SeqNo: **11593887** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.34 | 0.058 | 0.10 | 5 | 0.2 | 103 | 90-111 | 0 | | | |

**MS** Sample ID: **25080116-01A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593899** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.22 | 0.058 | 0.10 | 5 | 0.16 | 101 | 90-111 | 0 | | | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** ALS Environmental
**Work Order:** 25080115
**Project:** HS25080725

# QC BATCH REPORT

Batch ID: **R423329** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MS** Sample ID: **25080116-05A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593905** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.27 | 0.058 | 0.10 | 5 | 0.19 | 102 | 90-111 | 0 | | | |

**MSD** Sample ID: **25080115-01A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: **MW-01** Run ID: **TITRATOR 1_250819B** SeqNo: **11593872** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.98 | 0.058 | 0.10 | 5 | 0.07 | 98.2 | 90-111 | 4.98 | 0 | 20 | |

**MSD** Sample ID: **25080115-15A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: **MW-48** Run ID: **TITRATOR 1_250819B** SeqNo: **11593888** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.39 | 0.058 | 0.10 | 5 | 0.2 | 104 | 90-111 | 5.34 | 0.932 | 20 | |

**MSD** Sample ID: **25080116-01A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593900** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.16 | 103 | 90-111 | 5.22 | 1.33 | 20 | |

**MSD** Sample ID: **25080116-05A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593906** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.37 | 0.058 | 0.10 | 5 | 0.19 | 104 | 90-111 | 5.27 | 1.88 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25080115-01A | 25080115-02A | 25080115-03A |
| 25080115-04A | 25080115-05A | 25080115-06A |
| 25080115-07A | 25080115-08A | 25080115-09A |
| 25080115-10A | 25080115-11A | 25080115-12A |
| 25080115-13A | 25080115-14A | 25080115-15A |
| 25080115-16A | 25080115-17A | 25080115-18A |
| 25080115-19A | 25080115-20A | 25080115-21A |
| 25080115-22A | | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

# 25080115

ALS - HOUSTON: ALS Environmental
Project: HS

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **29269**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25080725 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25080725-01** | **MW-01** | **Water** | **13 Aug 2025 12:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 2. | **HS25080725-02** | **MW-02** | **Water** | **13 Aug 2025 09:40** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 3. | **HS25080725-03** | **MW-06** | **Water** | **13 Aug 2025 11:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 4. | **HS25080725-04** | **MW-09** | **Water** | **13 Aug 2025 12:35** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 5. | **HS25080725-05** | **MW-16** | **Water** | **13 Aug 2025 13:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 6. | **HS25080725-06** | **MW-17** | **Water** | **13 Aug 2025 12:50** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 7. | **HS25080725-07** | **MW-18** | **Water** | **13 Aug 2025 14:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 8. | **HS25080725-08** | **MW-19** | **Water** | **13 Aug 2025 13:05** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 9. | **HS25080725-09** | **MW-20** | **Water** | **13 Aug 2025 12:15** |

RIGHT SOLUTIONS | RIGHT PARTNER

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID: 29269**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **10.** | **HS25080725-10** | **MW-21** | **Water** | **13 Aug 2025 11:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **11.** | **HS25080725-11** | **MW-22** | **Water** | **13 Aug 2025 10:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **12.** | **HS25080725-12** | **MW-27R** | **Water** | **13 Aug 2025 13:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **13.** | **HS25080725-13** | **MW-28R** | **Water** | **13 Aug 2025 13:40** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **14.** | **HS25080725-14** | **MW-47** | **Water** | **13 Aug 2025 12:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **15.** | **HS25080725-15** | **MW-48** | **Water** | **13 Aug 2025 10:45** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **16.** | **HS25080725-16** | **MW-49** | **Water** | **13 Aug 2025 09:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **17.** | **HS25080725-17** | **MW-50** | **Water** | **13 Aug 2025 13:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **18.** | **HS25080725-18** | **MW-51** | **Water** | **13 Aug 2025 11:45** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **19.** | **HS25080725-19** | **MW-52** | **Water** | **13 Aug 2025 10:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **20.** | **HS25080725-20** | **MW-53** | **Water** | **13 Aug 2025 10:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **21.** | **HS25080725-21** | **Field Blank-01** | **Water** | **13 Aug 2025 13:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **22.** | **HS25080725-22** | **Field Duplicate-01** | **Water** | **13 Aug 2025 09:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))



Privileged and Confidential

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas**

**COC ID:** **29269**

Relinquished By: [signature]

Date/Time: 8/18/25 1800

Received By: [signature]

Date/Time: 8-19-25 900

Cooler ID(s):

Temperature(s): 2.9 IR6

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **19-Aug-25 09:00**

Work Order: **25080115** Received by: **JD**

Checklist completed by Jason Delinger 20-Aug-25 Reviewed by: Chelsey Cook 20-Aug-25
eSignature Date eSignature Date

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 2.9/2.9 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 8/20/2025 12:15:09 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 15, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25090221**

Laboratory Results for: **NRG Limestone**

Dear Lori Burris,

ALS Environmental received 6 sample(s) on Sep 05, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: DAYNA.FISHER**
Andy C. Neir
Project Manager

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone | |
| **WorkOrder:** | **HS25090221** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | |
|---|---|
| **Client:** | TRC |
| **Project:** | NRG Limestone |
| **WorkOrder:** | **HS25090221** |

**TRRP Laboratory Data Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Andy C. Neir
Project Manager

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 09/15/2025 | | | | | |
| Project Name: NRG-WA Parish CCR Resampling | | | Laboratory Job Number: HS25090251 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 232601, R521387, R521391, R521498, R521575, R521710 | | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **R1** | OI | **Chain-of-custody (C-O-C)** | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | |
| **R2** | OI | **Sample and quality control (QC) identification** | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | |
| **R3** | OI | **Test reports** | | | | | |
| | | Were all samples prepared and analyzed within holding times? | | X | | | 1 |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | |
| | | If required for the project, TICs reported? | | | X | | |
| **R4** | O | **Surrogate recovery data** | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | OI | **Test reports/summary forms for blank samples** | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | Were blank concentrations < MQL? | X | | | | |
| **R6** | OI | **Laboratory control samples (LCS):** | | | | | |
| | | Were all COCs included in the LCS? | X | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 2 |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | OI | **Analytical duplicate data** | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | OI | **Method quantitation limits (MQLs):** | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | |
| **R10** | OI | **Other problems/anomalies** | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 3 |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | |
| | | | | | | | |
| | | | | | | | |

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 09/15/2025 | | | | |
| Project Name: NRG-WA Parish CCR Resampling | | | Laboratory Job Number: HS25090251 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 232601, R521387, R521391, R521498, R521575, R521710 | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] |
| S1 | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 4 |
| S3 | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| S4 | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| S5 | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| S9 | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| S10 | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S11 | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| S12 | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| S16 | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | | |
|---|---|---|
| Laboratory Name: ALS Laboratory Group | | LRC Date: 09/15/2025 |
| Project Name: NRG-WA Parish CCR Resampling | | Laboratory Job Number: HS25090251 |
| Reviewer Name: Andy Neir | | Prep Batch Number(s): 232601, R521387, R521391, R521498, R521575, R521710 |
| **ER#[5]** | **Description** | |
| 1 | Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier.<br><br>The temperature at the time of pH is reported. Please note that all pH results are already normalized to a temperature of 25 °C. | |
| 2 | Batch 232601, Metals by method SW6020, Sample HS25090224-01, MS and MSD were performed on an unrelated sample<br><br>Batch R521498, Anions by method E300.0, Sample MW-39R, MS/MSD recovered outside control limits for sulfate due to sample matrix interference. | |
| 3 | Analyses of Fluoride were performed by ALS Holland, MI. Report and Laboratory Review Checklist are appended. | |
| 4 | See Run Log and CCB Exception Reports | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

**Client:** TRC
**Project:** NRG Limestone
**Work Order:** HS25090221

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25090221-01 | MW-16 | Water | | 04-Sep-2025 12:55 | 05-Sep-2025 08:33 | ☐ |
| HS25090221-02 | MW-21 | Water | | 04-Sep-2025 11:30 | 05-Sep-2025 08:33 | ☐ |
| HS25090221-03 | MW-28R | Water | | 04-Sep-2025 13:30 | 05-Sep-2025 08:33 | ☐ |
| HS25090221-04 | MW-47 | Water | | 04-Sep-2025 10:10 | 05-Sep-2025 08:33 | ☐ |
| HS25090221-05 | MW-50 | Water | | 04-Sep-2025 10:50 | 05-Sep-2025 08:33 | ☐ |
| HS25090221-06 | MW-53 | Water | | 04-Sep-2025 12:20 | 05-Sep-2025 08:33 | ☐ |

Privileged and Confidential

Client: TRC
Project: NRG Limestone
Sample ID: MW-16
Collection Date: 04-Sep-2025 12:55

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 15-Sep-2025 10:01 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone
Sample ID: MW-21
Collection Date: 04-Sep-2025 11:30

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 10-Sep-2025 | | Analyst: JC |
| **Boron** | **0.596** | | **0.0800** | **0.500** | **mg/L** | 10 | 11-Sep-2025 15:24 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone
Sample ID: MW-28R
Collection Date: 04-Sep-2025 13:30

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 15-Sep-2025 10:01 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone
Sample ID: MW-47
Collection Date: 04-Sep-2025 10:10

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 15-Sep-2025 10:01 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone
Sample ID: MW-50
Collection Date: 04-Sep-2025 10:50

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 10-Sep-2025 | | Analyst: JC |
| **Boron** | **0.840** | | **0.00800** | **0.0500** | **mg/L** | 1 | 11-Sep-2025 14:10 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: HB |
| **Sulfate** | **1,570** | | **4.00** | **10.0** | **mg/L** | 20 | 08-Sep-2025 08:21 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: TRC
Project: NRG Limestone
Sample ID: MW-53
Collection Date: 04-Sep-2025 12:20

**ANALYTICAL REPORT**
WorkOrder:HS25090221
Lab ID:HS25090221-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 10-Sep-2025 | | Analyst: JC |
| **Boron** | **0.665** | | **0.00800** | **0.0500** | **mg/L** | 1 | 11-Sep-2025 14:39 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 15-Sep-2025 10:01 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone
**WorkOrder:** HS25090221

**Batch ID:** 232685 **Start Date:** 10 Sep 2025 11:00 **End Date:** 10 Sep 2025 11:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25090221-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25090221-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25090221-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone
**WorkOrder:** HS25090221

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 232685 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25090221-02 | MW-21 | 04 Sep 2025 11:30 | | 10 Sep 2025 11:00 | 11 Sep 2025 15:24 | 10 |
| HS25090221-05 | MW-50 | 04 Sep 2025 10:50 | | 10 Sep 2025 11:00 | 11 Sep 2025 14:10 | 1 |
| HS25090221-06 | MW-53 | 04 Sep 2025 12:20 | | 10 Sep 2025 11:00 | 11 Sep 2025 14:39 | 1 |
| **Batch ID:** R521384 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25090221-05 | MW-50 | 04 Sep 2025 10:50 | | | 08 Sep 2025 08:21 | 20 |
| **Batch ID:** R521710 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25090221-01 | MW-16 | 04 Sep 2025 12:55 | | | 15 Sep 2025 10:01 | 1 |
| HS25090221-03 | MW-28R | 04 Sep 2025 13:30 | | | 15 Sep 2025 10:01 | 1 |
| HS25090221-04 | MW-47 | 04 Sep 2025 10:10 | | | 15 Sep 2025 10:01 | 1 |
| HS25090221-06 | MW-53 | 04 Sep 2025 12:20 | | | 15 Sep 2025 10:01 | 1 |

WorkOrder: HS25090221
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0250 | 0.0217 | 0.00800 | 0.0500 |

WorkOrder: HS25090221
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25090221
InstrumentID: ICS-Integrion
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Sulfate | 14808-79-8 | 0.250 | 0.328 | 0.200 | 0.500 |

**Client:** TRC
**Project:** NRG Limestone
**WorkOrder:** HS25090221

**QC BATCH REPORT**

**Batch ID: 232685 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-232685** Units: **mg/L** Analysis Date: **11-Sep-2025 13:53**
Client ID: Run ID: **ICPMS06_521548** SeqNo: **9026911** PrepDate: **10-Sep-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.00800 | 0.0500 | | | | | | | | |

**LCS** Sample ID: **LCS-232685** Units: **mg/L** Analysis Date: **11-Sep-2025 13:55**
Client ID: Run ID: **ICPMS06_521548** SeqNo: **9026912** PrepDate: **10-Sep-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4661 | 0.0500 | 0.5 | 0 | 93.2 | 80 - 120 | | | | |

**MS** Sample ID: **HS25090221-02MS** Units: **mg/L** Analysis Date: **11-Sep-2025 14:04**
Client ID: **MW-21** Run ID: **ICPMS06_521548** SeqNo: **9026916** PrepDate: **10-Sep-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.145 | 0.0500 | 0.5 | 0.612 | 107 | 80 - 120 | | | | E |

**MSD** Sample ID: **HS25090221-02MSD** Units: **mg/L** Analysis Date: **11-Sep-2025 14:06**
Client ID: **MW-21** Run ID: **ICPMS06_521548** SeqNo: **9026917** PrepDate: **10-Sep-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.122 | 0.0500 | 0.5 | 0.612 | 102 | 80 - 120 | 1.145 | 2.02 | 20 | E |

**PDS** Sample ID: **HS25090221-02PDS** Units: **mg/L** Analysis Date: **11-Sep-2025 15:28**
Client ID: **MW-21** Run ID: **ICPMS06_521548** SeqNo: **9027036** PrepDate: **10-Sep-2025** DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 4.936 | 0.500 | 5 | 0.5963 | 86.8 | 75 - 125 | | | | |

**SD** Sample ID: **HS25090221-02SD** Units: **mg/L** Analysis Date: **11-Sep-2025 15:26**
Client ID: **MW-21** Run ID: **ICPMS06_521548** SeqNo: **9027035** PrepDate: **10-Sep-2025** DF: **50**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6124 | 2.50 | | | | | 0.5963 | 0 | 10 | J |

**The following samples were analyzed in this batch:** HS25090221-02 HS25090221-05 HS25090221-06

**Client:** TRC
**Project:** NRG Limestone
**WorkOrder:** HS25090221

**QC BATCH REPORT**

**Batch ID:** R521384 ( 0 ) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **08-Sep-2025 08:03**
Client ID: Run ID: **ICS-Integrion_521384** SeqNo: **9023139** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **08-Sep-2025 08:15**
Client ID: Run ID: **ICS-Integrion_521384** SeqNo: **9023140** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 19.63 | 0.500 | 20 | 0 | 98.2 | 90 - 110 | | | | |

**MS** Sample ID: **HS25090221-05MS** Units: **mg/L** Analysis Date: **08-Sep-2025 08:26**
Client ID: **MW-50** Run ID: **ICS-Integrion_521384** SeqNo: **9023142** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 1639 | 10.0 | 200 | 1573 | 32.6 | 80 - 120 | | | | SO |

**MSD** Sample ID: **HS25090221-05MSD** Units: **mg/L** Analysis Date: **08-Sep-2025 08:32**
Client ID: **MW-50** Run ID: **ICS-Integrion_521384** SeqNo: **9023143** PrepDate: DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 1631 | 10.0 | 200 | 1573 | 28.6 | 80 - 120 | 1639 | 0.484 | 20 | SO |

**The following samples were analyzed in this batch:** HS25090221-05

**Client:** TRC
**Project:** NRG Limestone
**WorkOrder:** **HS25090221**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| California | 2919 - 2025 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Florida | E87611-2025 | 30-Jun-2026 |
| Illinois | 200032 - 2025 | 31-Jul-2026 |
| Kansas | KS-C25-00168 | 31-Jul-2026 |
| Kentucky | 123043-2025 | 30-Apr-2026 |
| Louisiana | 03087-2025 | 30-Jun-2026 |
| Maine | 2024017 | 23-Jun-2026 |
| Michigan | 9971-2025 | 30-Apr-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| Nebraska | NE-OS-25-13 - 2025 | 30-Apr-2026 |
| Nevada | NV-C25-00124 - 2025 | 31-Jul-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008-2025 | 30-Jun-2026 |
| New York | 11707 - 2025 | 01-Apr-2026 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oregon | TX200002-013 | 15-May-2026 |
| Pennsylvania | 019 | 01-Jul-2026 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | TX-C25-00104 | 30-Apr-2026 |

## Sample Receipt Checklist

**Work Order ID:** HS25090221 **Date/Time Received:** **05-Sep-2025 08:33**

**Client Name:** TRC-HOU **Received by:** **Paresh M. Giga**

**Completed By:** */S/ Chelsea Rogers* (eSignature) 05-Sep-2025 15:20 (Date/Time) **Reviewed by:** */S/ Beverly Mustafa* (eSignature) 05-Sep-2025 18:19 (Date/Time)

Matrices: **W** Carrier name: **Courier**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 1 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:348348 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 4.8UC/4.8C | IR 37 | |
| Cooler(s)/Kit(s): | 53175 | | |
| Date/Time sample(s) sent to storage: | 09/05/2025 15:20 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 1 of 1

COC ID: 348348

**HS25090221**

WV

TRC

NRG Limestone

ALS Project Manager:

| Customer Information | | Project Information | | | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | NRG Limestone- Resampling | A | ICP_TW(B) |
| Work Order | | Project Number | 528473.0000.0000 | B | 300_W(SO4) |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan) |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | TDS_W 2540C (TDS) |
| Address | 14701 St. Mary's Lane<br>Suite 500 | Address | 11767 Katy Freeway<br>Suite 850 | E | ICP_TW(B, Ca, and Na (App III)) |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-16 | 9-4-25 | 1255 | Water | 2,8 | 3 | | | X | | | | | | | | |
| 2 | MW-21 | | 1130 | Water | 2,8 | 3 | X | | | | | | | | | | |
| 3 | MW-28R | | 1330 | Water | 2,8 | 3 | | | X | | | | | | | | |
| 4 | MW-47 | | 1010 | Water | 2,8 | 3 | | | X | | | | | | | | |
| 5 | MW-50 | | 1050 | Water | 2,8 | 3 | X | X | | | | | | | | | |
| 6 | MW-53 | | 1220 | Water | 2,8 | 3 | X | | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hill (HMI)

Shipment Method: Courier - Drop off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| | 9-5-25 | 8:33 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| | | | 9/5/25 08:33 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| | 3.5 |
| 5317 | 4.8 |
| | 4.3 |

QC Package: (Check One Box Below)

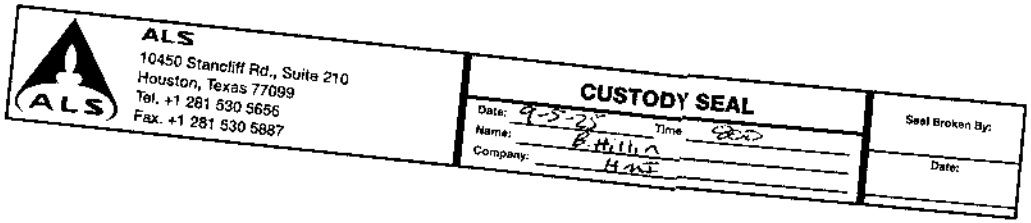
- ☐ Level II Std QC
- ☐ Level II Std QC/Raw Data
- ☐ Level IV SW846 6/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 9-5-22
Time
Name:
Company:
Seal Broken By:
Date:

15-Sep-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25090221** Work Order: **25090051**

Dear Andrew,

ALS Environmental received 4 samples on 10-Sep-2025 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 18.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25090221 |
| **Work Order:** | 25090051 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR 1_250911B | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25090051 | | |
| Analyst Name: KB | Date: 09/11/25 | Reviewer Name: RM | Date: 9/12/25 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

## ALS Group, USA

Date: 15-Sep-25

**Client:** ALS Environmental
**Project:** HS25090221
**Work Order:** **25090051**

# Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25090051-01 | HS25090221-03 | Water | | 9/4/2025 13:30 | 9/10/2025 10:00 | ☐ |
| 25090051-02 | HS25090221-04 | Water | | 9/4/2025 10:10 | 9/10/2025 10:00 | ☐ |
| 25090051-03 | HS25090221-06 | Water | | 9/4/2025 12:20 | 9/10/2025 10:00 | ☐ |
| 25090051-04 | HS25090221-01 | Water | | 9/4/2025 12:55 | 9/10/2025 10:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25090221
**WorkOrder:** **25090051**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25090221 |
| **Work Order:** | 25090051 |

## Case Narrative

Samples for the above noted Work Order were received on 09/10/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25090051
**Client:** ALS Environmental
**Project:** HS25090221

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R423851 **Test Name:** Fluoride | | | | | | |
| 25090051-01 ^ | HS25090221-03 | Water | 9/4/2025 1:30:00 PM | | | 9/11/2025 02:28 PM |
| 25090051-02 ^ | HS25090221-04 | | 9/4/2025 10:10:00 AM | | | 9/11/2025 02:28 PM |
| 25090051-03 ^ | HS25090221-06 | | 9/4/2025 12:20:00 PM | | | 9/11/2025 02:28 PM |
| 25090051-04 ^ | HS25090221-01 | | 9/4/2025 12:55:00 PM | | | 9/11/2025 02:28 PM |

# ALS Group, USA

**Date:** *15-Sep-2025*

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | | |
| **Project:** | HS25090221 | **Work Order:** | 25090051 |
| **Sample ID:** | HS25090221-03 | **Lab ID:** | 25090051-01 |
| **Collection Date:** | 9/4/2025 01:30 PM | **Matrix:** | WATER |

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|
| **FLUORIDE** | | | **A4500-F C-11** | | | Analyst: **KLB** |
| **Fluoride** | **0.330** | | **0.10** | **mg/L** | 1 | 9/11/2025 02:28 PM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | | |
| **Project:** | HS25090221 | **Work Order:** | 25090051 |
| **Sample ID:** | HS25090221-04 | **Lab ID:** | 25090051-02 |
| **Collection Date:** | 9/4/2025 10:10 AM | **Matrix:** | WATER |

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|
| **FLUORIDE** | | | **A4500-F C-11** | | | Analyst: **KLB** |
| **Fluoride** | **0.390** | | **0.10** | **mg/L** | 1 | 9/11/2025 02:28 PM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | | |
| **Project:** | HS25090221 | **Work Order:** | 25090051 |
| **Sample ID:** | HS25090221-06 | **Lab ID:** | 25090051-03 |
| **Collection Date:** | 9/4/2025 12:20 PM | **Matrix:** | WATER |

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|
| **FLUORIDE** | | | **A4500-F C-11** | | | Analyst: **KLB** |
| **Fluoride** | **0.570** | | **0.10** | **mg/L** | 1 | 9/11/2025 02:28 PM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | | |
| **Project:** | HS25090221 | **Work Order:** | 25090051 |
| **Sample ID:** | HS25090221-01 | **Lab ID:** | 25090051-04 |
| **Collection Date:** | 9/4/2025 12:55 PM | **Matrix:** | WATER |

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|
| **FLUORIDE** | | | **A4500-F C-11** | | | Analyst: **KLB** |
| **Fluoride** | **0.760** | | **0.10** | **mg/L** | 1 | 9/11/2025 02:28 PM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**WorkOrder:** 25090051
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride **Matrix:** Water **Units:** mg/L

# METHOD DETECTION / REPORTING LIMITS

| Type | Analyte | CAS | DCS | MDL | PQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# QC BATCH REPORT

Batch ID: **R423851** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R423851-R423851** Units: **mg/L** Analysis Date: **9/11/2025 02:28 PM**

Client ID: Run ID: **TITRATOR 1_250911B** SeqNo: **11614198** Prep Date: DF: **1**

| Analyte | Result | MDL | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | ND | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R423851-R423851** Units: **mg/L** Analysis Date: **9/11/2025 02:28 PM**

Client ID: Run ID: **TITRATOR 1_250911B** SeqNo: **11614199** Prep Date: DF: **1**

| Analyte | Result | MDL | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5 | 0.058 | 0.10 | 5 | 0 | 100 | 90-111 | 0 | | | |

**MS** Sample ID: **25090050-01A MS** Units: **mg/L** Analysis Date: **9/11/2025 02:28 PM**

Client ID: Run ID: **TITRATOR 1_250911B** SeqNo: **11614203** Prep Date: DF: **1**

| Analyte | Result | MDL | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.39 | 0.058 | 0.10 | 5 | 0.25 | 103 | 90-111 | 0 | | | |

**MSD** Sample ID: **25090050-01A MSD** Units: **mg/L** Analysis Date: **9/11/2025 02:28 PM**

Client ID: Run ID: **TITRATOR 1_250911B** SeqNo: **11614204** Prep Date: DF: **1**

| Analyte | Result | MDL | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.5 | 0.058 | 0.10 | 5 | 0.25 | 105 | 90-111 | 5.39 | 2.02 | 20 | |

**The following samples were analyzed in this batch:**

25090051-01A 25090051-02A 25090051-03A
25090051-04A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

25090051

ALS - HOUSTON: ALS Environmental
Project: HS25090221

) Stancliff Rd, Ste 210
:on, TX 77099
·1 281 530 5656
·1 281 530 5887
v.alsglobal.com

## Subcontra

Telephone : +1 616 399 6070

**SAMPLING STATE:** Texas

**COC ID:** 29396

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25090221 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25090221-01** | **MW-16** | **Water** | **04 Sep 2025 12:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 2. | **HS25090221-03** | **MW-28R** | **Water** | **04 Sep 2025 13:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 3. | **HS25090221-04** | **MW-47** | **Water** | **04 Sep 2025 10:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 4. | **HS25090221-06** | **MW-53** | **Water** | **04 Sep 2025 12:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: _____ Date/Time: 9/8/25 1800

Received By: Fedex to Brittney Keegan Date/Time: 9/10/25 10:00

Cooler ID(s): Logged BH 9/10/25 15:18 Temperature(s): IR7 3.8C

RIGHT SOLUTIONS | RIGHT PARTNER

25090051

ALS - HOUSTON: ALS Environmental
Project: HS25090221

COPY

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas**

**COC ID:** **29396**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

HN 25090051

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25090221 |
| **TSR:** | Ron Martino |

missing in original shipment

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25090221-01** | **MW-16** | **Water** | **04 Sep 2025 12:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 2. | **HS25090221-03** | **MW-28R** | **Water** | **04 Sep 2025 13:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 3. | **HS25090221-04** | **MW-47** | **Water** | **04 Sep 2025 10:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |
| 4. | **HS25090221-06** | **MW-53** | **Water** | **04 Sep 2025 12:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 12 Sep 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: _____ Date/Time: 9/10/25 1800

Received By: Alyssa Black via FedEx Date/Time: 9/11/25 0930

Cooler ID(s): _____ Temperature(s): IR6 2.7c

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **10-Sep-25 10:00**

Work Order: **25090051** Received by: **BYH**

Checklist completed by Brittany Hayward (eSignature) 10-Sep-25 (Date) Reviewed by: Chelsey Cook (eSignature) 12-Sep-25 (Date)

Matrices: WATER
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 3.8/3.8C | IR7 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 9/10/2025 3:42:46 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes: Missing sample HS25090237-01 -BH

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

SRC Page 1 of 1

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 26, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25080726**

Laboratory Results for: **NRG Limestone-Appendix III-IV**

Dear Lori Burris,

ALS Environmental received 11 sample(s) on Aug 14, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

**Generated By: JUMOKE.LAWAL**
Andy C. Neir
Project Manager

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone-Appendix III-IV | |
| **WorkOrder:** | **HS25080726** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone-Appendix III-IV | |
| **WorkOrder:** | **HS25080726** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 08/26/2025 | | | | | |
| Project Name: NRG Limestone-Appendix III-IV | | | Laboratory Job Number: HS25080726 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 231765,231873,231891,232059,232091,R520313 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 08/26/2025 | | | | | |
| Project Name: NRG Limestone-Appendix III-IV | | | Laboratory Job Number: HS25080726 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 231765,231873,231891,232059,232091,R520313 | | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 2 |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | X | | | 3 |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | |
|---|---|
| Laboratory Name: ALS Laboratory Group | LRC Date: 08/26/2025 |
| Project Name: NRG Limestone-Appendix III-IV | Laboratory Number: HS25080726 |
| Reviewer Name: Andy Neir | Prep Batch Number(s): 231765,231873,231891,232059,232091,R520313 |

| ER#[5] | Description |
|---|---|
| 1 | Batch 231765, Metals Method SW6020, sample HS25080662-01, MS and MSD were performed on unrelated sample<br><br>Batch 231891, Metals Method SW6020, sample HS25080776-05, MS and MSD were performed on unrelated sample<br><br>Batch 232059, Metals Method SW6020, sample MW-48, MSD recovered outside the control limit for Calcium, however, the result in the parent sample is 4x greater than the spike amount |
| 2 | See Run Log and CCB Exceptions Report. |
| 3 | Batch 231891, Metals Method SW6020, sample HS25080776-05, PDS was performed on unrelated sample<br><br>Batch 232059, Metals Method SW6020, sample MW-48, PDS recovered outside the control limit for Calcium, however, the result in the parent sample is 4x greater than the spike amount |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726
Start Date: 25-Aug-2025 End Date: 25-Aug-2025

Run ID:HG05_520427
Instrument:HG05
Method:SW7470A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| ICV | 1 | 25-Aug-2025 12:32 | | HG |
| ICB | 1 | 25-Aug-2025 12:34 | | HG |
| CRA | 1 | 25-Aug-2025 12:36 | | HG |
| CCV 1 | 1 | 25-Aug-2025 12:39 | | HG |
| CCB 1 | 1 | 25-Aug-2025 12:41 | | HG |
| CCV 2 | 1 | 25-Aug-2025 13:03 | | HG |
| CCB 2 | 1 | 25-Aug-2025 13:05 | | HG |
| CCV 3 | 1 | 25-Aug-2025 13:24 | | HG |
| CCB 3 | 1 | 25-Aug-2025 13:26 | | HG |
| MBLK-232091 | 1 | 25-Aug-2025 13:40 | | HG |
| LCS-232091 | 1 | 25-Aug-2025 13:44 | | HG |
| MW-48 | 1 | 25-Aug-2025 13:45 | | HG |
| MW-48MS | 1 | 25-Aug-2025 13:47 | | HG |
| CCV 4 | 1 | 25-Aug-2025 13:49 | | HG |
| CCB 4 | 1 | 25-Aug-2025 13:51 | | HG |
| MW-48MSD | 1 | 25-Aug-2025 13:52 | | HG |
| CCV 5 | 1 | 25-Aug-2025 14:15 | | HG |
| CCB 5 | 1 | 25-Aug-2025 14:17 | | HG |
| CCV 6 | 1 | 25-Aug-2025 14:36 | | HG |
| CCB 6 | 1 | 25-Aug-2025 14:38 | | HG |
| CCV 7 | 1 | 25-Aug-2025 15:04 | | HG |
| CCB 7 | 1 | 25-Aug-2025 15:06 | | HG |
| CCV 8 | 1 | 25-Aug-2025 15:29 | | HG |
| CCB 8 | 1 | 25-Aug-2025 15:31 | | HG |
| CCV 9 | 1 | 25-Aug-2025 15:51 | | HG |
| CCB 9 | 1 | 25-Aug-2025 15:53 | | HG |
| CCV 10 | 1 | 25-Aug-2025 16:20 | | HG |
| CCB 10 | 1 | 25-Aug-2025 16:22 | | HG |
| CCV 11 | 1 | 25-Aug-2025 16:39 | | HG |
| CCB 11 | 1 | 25-Aug-2025 16:41 | | HG |
| CRA | 1 | 25-Aug-2025 16:42 | | HG |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

Run ID:HG05_520427
Instrument:HG05
Method:SW7470A

| CCB 4 | Date: 25-Aug-2025 13:51 | Seq: 9001956 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Mercury | -0.031 | 0.03 | 0.2 | |

| CCB 6 | Date: 25-Aug-2025 14:38 | Seq: 9001980 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Mercury | -0.031 | 0.03 | 0.2 | |

| CCB 9 | Date: 25-Aug-2025 15:53 | Seq: 9002023 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Mercury | -0.03 | 0.03 | 0.2 | |

| CCB 11 | Date: 25-Aug-2025 16:41 | Seq: 9002268 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Mercury | -0.03 | 0.03 | 0.2 | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**Work Order:** HS25080726

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25080726-01 | MW-06 | Water | | 13-Aug-2025 11:10 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-02 | MW-09 | Water | | 13-Aug-2025 12:35 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-03 | MW-16 | Water | | 13-Aug-2025 13:00 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-04 | MW-47 | Water | | 13-Aug-2025 12:00 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-05 | MW-48 | Water | | 13-Aug-2025 10:45 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-06 | MW-49 | Water | | 13-Aug-2025 09:55 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-07 | MW-50 | Water | | 13-Aug-2025 13:30 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-08 | MW-51 | Water | | 13-Aug-2025 11:45 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-09 | MW-52 | Water | | 13-Aug-2025 10:20 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-10 | MW-53 | Water | | 13-Aug-2025 10:20 | 14-Aug-2025 11:30 | ☐ |
| HS25080726-11 | Field Dup-01 | Water | | 13-Aug-2025 09:30 | 14-Aug-2025 11:30 | ☐ |

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-06
Collection Date: 13-Aug-2025 11:10

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:22 |
| **Arsenic** | **0.00162** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| **Barium** | **0.107** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:22 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:22 |
| **Calcium** | **38.2** | | **0.120** | **0.500** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:22 |
| **Cobalt** | **0.000547** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:22 |
| **Lithium** | **0.00570** | | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| **Molybdenum** | **0.000554** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:22 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:22 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:22 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:11 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-09
Collection Date: 13-Aug-2025 12:35

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:24 |
| **Arsenic** | **0.00145** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| **Barium** | **0.154** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:24 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:24 |
| **Calcium** | **42.9** | | **0.120** | **0.500** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:24 |
| **Cobalt** | **0.00203** | | **0.000530** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| **Lead** | **0.000582** | J | **0.000470** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| **Lithium** | **0.0143** | | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:24 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:24 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:24 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:24 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:13 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-16
Collection Date: 13-Aug-2025 13:00

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| **Arsenic** | **0.00229** | | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:26 |
| **Barium** | **0.0361** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:26 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| **Calcium** | **2.63** | | **0.120** | **0.500** | **mg/L** | 1 | 18-Aug-2025 15:26 |
| **Chromium** | **0.00244** | J | **0.00173** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:26 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| **Lithium** | **0.00347** | J | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:26 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:26 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:26 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:26 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:18 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-47
Collection Date: 13-Aug-2025 12:00

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| **Arsenic** | **0.00340** | | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:28 |
| **Barium** | **0.131** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:28 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| **Calcium** | **42.0** | | **0.120** | **0.500** | **mg/L** | 1 | 18-Aug-2025 15:28 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:28 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| **Lithium** | **0.0142** | | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:28 |
| **Molybdenum** | **0.00158** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:28 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:28 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:28 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:20 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-48
Collection Date: 13-Aug-2025 10:45

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 23-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 25-Aug-2025 15:56 |
| **Arsenic** | **0.00228** | | **0.000510** | **0.00200** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| **Barium** | **0.0410** | | **0.000750** | **0.00500** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 25-Aug-2025 18:05 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 25-Aug-2025 15:56 |
| **Calcium** | **62.5** | | **0.120** | **0.500** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 25-Aug-2025 15:56 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 25-Aug-2025 15:56 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 25-Aug-2025 15:56 |
| **Lithium** | **0.0107** | | **0.000800** | **0.00500** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| **Molybdenum** | **0.000488** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| **Selenium** | **0.00299** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 25-Aug-2025 15:56 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 25-Aug-2025 15:56 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Aug-2025 13:45 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-49
Collection Date: 13-Aug-2025 09:55

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:30 |
| **Arsenic** | **0.0170** | | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| **Barium** | **1.13** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:30 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:30 |
| **Calcium** | **110** | | **0.120** | **0.500** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:30 |
| **Cobalt** | **0.0347** | | **0.000530** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:30 |
| **Lithium** | **0.00184** | J | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| **Molybdenum** | **0.000731** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:30 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:30 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:30 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:22 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-50
Collection Date: 13-Aug-2025 13:30

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:32 |
| **Arsenic** | **0.000646** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:32 |
| **Barium** | **0.0175** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:32 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:32 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:32 |
| **Calcium** | **330** | | **2.40** | **10.0** | **mg/L** | 20 | 18-Aug-2025 16:29 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:32 |
| **Cobalt** | **0.00679** | | **0.000530** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:32 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:32 |
| **Lithium** | **0.0219** | | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:32 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:32 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:32 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:32 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:23 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-51
Collection Date: 13-Aug-2025 11:45

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 20-Aug-2025 18:59 |
| **Arsenic** | **0.000596** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| **Barium** | **0.447** | | **0.000750** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 20-Aug-2025 18:59 |
| **Cadmium** | **0.000748** | J | **0.000420** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| **Calcium** | **248** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 10:19 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 20-Aug-2025 18:59 |
| **Cobalt** | **0.000640** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 20-Aug-2025 18:59 |
| **Lithium** | **0.0453** | | **0.000800** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| **Molybdenum** | **0.000605** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| **Selenium** | **0.00351** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 18:59 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 20-Aug-2025 18:59 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:25 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-52
Collection Date: 13-Aug-2025 10:20

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:01 |
| **Arsenic** | **0.000524** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| **Barium** | **0.0837** | | **0.000750** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:01 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:01 |
| **Calcium** | **201** | | **2.40** | **10.0** | **mg/L** | 20 | 21-Aug-2025 10:21 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 20-Aug-2025 19:01 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:01 |
| **Lead** | **0.00150** | J | **0.000470** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| **Lithium** | **0.0384** | | **0.000800** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| **Molybdenum** | **0.000476** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| **Selenium** | **0.0170** | | **0.00100** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:01 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:01 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:27 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: MW-53
Collection Date: 13-Aug-2025 10:20

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 20-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| **Arsenic** | **0.00119** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 20-Aug-2025 19:03 |
| **Barium** | **0.0794** | | **0.000750** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:03 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| **Calcium** | **104** | | **0.120** | **0.500** | **mg/L** | 1 | 20-Aug-2025 19:03 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 20-Aug-2025 19:03 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| **Lithium** | **0.00881** | | **0.000800** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:03 |
| **Molybdenum** | **0.000733** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 20-Aug-2025 19:03 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 20-Aug-2025 19:03 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 20-Aug-2025 19:03 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:28 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

Client: TRC
Project: NRG Limestone-Appendix III-IV
Sample ID: Field Dup-01
Collection Date: 13-Aug-2025 09:30

**ANALYTICAL REPORT**
WorkOrder:HS25080726
Lab ID:HS25080726-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 16-Aug-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| **Arsenic** | **0.000535** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 18-Aug-2025 15:34 |
| **Barium** | **0.0815** | | **0.000750** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:34 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| **Calcium** | **193** | | **2.40** | **10.0** | **mg/L** | 20 | 18-Aug-2025 16:32 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 18-Aug-2025 15:34 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| **Lithium** | **0.0360** | | **0.000800** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:34 |
| **Molybdenum** | **0.000607** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:34 |
| **Selenium** | **0.0161** | | **0.00100** | **0.00500** | **mg/L** | 1 | 18-Aug-2025 15:34 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 18-Aug-2025 15:34 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 19-Aug-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 19-Aug-2025 15:30 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 22-Aug-2025 15:08 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**Batch ID:** 231765 **Start Date:** 16 Aug 2025 08:30 **End Date:** 16 Aug 2025 08:30
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080726-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 231873 **Start Date:** 19 Aug 2025 09:30 **End Date:** 19 Aug 2025 09:30
**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080726-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 231891 **Start Date:** 20 Aug 2025 08:30 **End Date:** 20 Aug 2025 08:30
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080726-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25080726-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 232059 **Start Date:** 23 Aug 2025 10:00 **End Date:** 23 Aug 2025 10:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080726-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 232091 **Start Date:** 25 Aug 2025 09:30 **End Date:** 25 Aug 2025 09:30
**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25080726-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 231765 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25080726-01 | MW-06 | 13 Aug 2025 11:10 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:22 | 1 |
| HS25080726-02 | MW-09 | 13 Aug 2025 12:35 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:24 | 1 |
| HS25080726-03 | MW-16 | 13 Aug 2025 13:00 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:26 | 1 |
| HS25080726-04 | MW-47 | 13 Aug 2025 12:00 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:28 | 1 |
| HS25080726-06 | MW-49 | 13 Aug 2025 09:55 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:30 | 1 |
| HS25080726-07 | MW-50 | 13 Aug 2025 13:30 | | 16 Aug 2025 08:30 | 18 Aug 2025 16:29 | 20 |
| HS25080726-07 | MW-50 | 13 Aug 2025 13:30 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:32 | 1 |
| HS25080726-11 | Field Dup-01 | 13 Aug 2025 09:30 | | 16 Aug 2025 08:30 | 18 Aug 2025 16:32 | 20 |
| HS25080726-11 | Field Dup-01 | 13 Aug 2025 09:30 | | 16 Aug 2025 08:30 | 18 Aug 2025 15:34 | 1 |
| **Batch ID:** 231873 ( 0 ) | **Test Name :** MERCURY BY SW7470A | | | | **Matrix:** Water | |
| HS25080726-01 | MW-06 | 13 Aug 2025 11:10 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:11 | 1 |
| HS25080726-02 | MW-09 | 13 Aug 2025 12:35 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:13 | 1 |
| HS25080726-03 | MW-16 | 13 Aug 2025 13:00 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:18 | 1 |
| HS25080726-04 | MW-47 | 13 Aug 2025 12:00 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:20 | 1 |
| HS25080726-06 | MW-49 | 13 Aug 2025 09:55 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:22 | 1 |
| HS25080726-07 | MW-50 | 13 Aug 2025 13:30 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:23 | 1 |
| HS25080726-08 | MW-51 | 13 Aug 2025 11:45 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:25 | 1 |
| HS25080726-09 | MW-52 | 13 Aug 2025 10:20 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:27 | 1 |
| HS25080726-10 | MW-53 | 13 Aug 2025 10:20 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:28 | 1 |
| HS25080726-11 | Field Dup-01 | 13 Aug 2025 09:30 | | 19 Aug 2025 09:30 | 19 Aug 2025 15:30 | 1 |
| **Batch ID:** 231891 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25080726-08 | MW-51 | 13 Aug 2025 11:45 | | 20 Aug 2025 08:30 | 21 Aug 2025 10:19 | 20 |
| HS25080726-08 | MW-51 | 13 Aug 2025 11:45 | | 20 Aug 2025 08:30 | 20 Aug 2025 18:59 | 1 |
| HS25080726-09 | MW-52 | 13 Aug 2025 10:20 | | 20 Aug 2025 08:30 | 21 Aug 2025 10:21 | 20 |
| HS25080726-09 | MW-52 | 13 Aug 2025 10:20 | | 20 Aug 2025 08:30 | 20 Aug 2025 19:01 | 1 |
| HS25080726-10 | MW-53 | 13 Aug 2025 10:20 | | 20 Aug 2025 08:30 | 20 Aug 2025 19:03 | 1 |
| **Batch ID:** 232059 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25080726-05 | MW-48 | 13 Aug 2025 10:45 | | 23 Aug 2025 10:00 | 25 Aug 2025 18:05 | 1 |
| HS25080726-05 | MW-48 | 13 Aug 2025 10:45 | | 23 Aug 2025 10:00 | 25 Aug 2025 15:56 | 1 |
| **Batch ID:** 232091 ( 0 ) | **Test Name :** MERCURY BY SW7470A | | | | **Matrix:** Water | |
| HS25080726-05 | MW-48 | 13 Aug 2025 10:45 | | 25 Aug 2025 09:30 | 25 Aug 2025 13:45 | 1 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R520313 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25080726-01 | MW-06 | 13 Aug 2025 11:10 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-02 | MW-09 | 13 Aug 2025 12:35 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-03 | MW-16 | 13 Aug 2025 13:00 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-04 | MW-47 | 13 Aug 2025 12:00 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-05 | MW-48 | 13 Aug 2025 10:45 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-06 | MW-49 | 13 Aug 2025 09:55 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-07 | MW-50 | 13 Aug 2025 13:30 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-08 | MW-51 | 13 Aug 2025 11:45 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-09 | MW-52 | 13 Aug 2025 10:20 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-10 | MW-53 | 13 Aug 2025 10:20 | | | 22 Aug 2025 15:08 | 1 |
| HS25080726-11 | Field Dup-01 | 13 Aug 2025 09:30 | | | 22 Aug 2025 15:08 | 1 |

WorkOrder: HS25080726
InstrumentID: HG05
Test Code: HG_W
Test Number: SW7470A
Test Name: Mercury by SW7470A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Mercury | 7439-97-6 | 0.000100 | 0.000121 | 0.0000300 | 0.000200 |

WorkOrder: HS25080726
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Antimony | 7440-36-0 | 0.00125 | 0.000954 | 0.000260 | 0.00200 |
| A | Arsenic | 7440-38-2 | 0.00125 | 0.000813 | 0.000510 | 0.00200 |
| A | Barium | 7440-39-3 | 0.00250 | 0.00193 | 0.000750 | 0.00500 |
| A | Beryllium | 7440-41-7 | 0.00125 | 0.000889 | 0.000600 | 0.00200 |
| A | Cadmium | 7440-43-9 | 0.00125 | 0.00102 | 0.000420 | 0.00200 |
| A | Calcium | 7440-70-2 | 0.250 | 0.241 | 0.120 | 0.500 |
| A | Chromium | 7440-47-3 | 0.00250 | 0.00226 | 0.00173 | 0.00500 |
| A | Cobalt | 7440-48-4 | 0.00250 | 0.00236 | 0.000530 | 0.00200 |
| A | Lead | 7439-92-1 | 0.00125 | 0.000914 | 0.000470 | 0.00200 |
| A | Lithium | 7439-93-2 | 0.00250 | 0.00228 | 0.000800 | 0.00500 |
| A | Molybdenum | 7439-98-7 | 0.00250 | 0.00187 | 0.000400 | 0.00500 |
| A | Selenium | 7782-49-2 | 0.00250 | 0.00244 | 0.00100 | 0.00500 |
| A | Thallium | 7440-28-0 | 0.00125 | 0.000886 | 0.000700 | 0.00200 |

WorkOrder: HS25080726
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231765 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-231765** Units: **mg/L** Analysis Date: **18-Aug-2025 14:50**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990790** PrepDate: **16-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000260 | 0.00200 | | | | | | | |
| Arsenic | < 0.000510 | 0.00200 | | | | | | | |
| Barium | < 0.000750 | 0.00500 | | | | | | | |
| Beryllium | < 0.000600 | 0.00200 | | | | | | | |
| Cadmium | < 0.000420 | 0.00200 | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | |
| Chromium | < 0.00173 | 0.00500 | | | | | | | |
| Cobalt | < 0.000530 | 0.00200 | | | | | | | |
| Lead | < 0.000470 | 0.00200 | | | | | | | |
| Lithium | < 0.000800 | 0.00500 | | | | | | | |
| Molybdenum | < 0.000400 | 0.00500 | | | | | | | |
| Selenium | < 0.00100 | 0.00500 | | | | | | | |
| Thallium | < 0.000700 | 0.00200 | | | | | | | |

**LCS** Sample ID: **LCS-231765** Units: **mg/L** Analysis Date: **18-Aug-2025 14:52**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990791** PrepDate: **16-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04736 | 0.00200 | 0.05 | 0 | 94.7 | 80 - 120 | | | |
| Arsenic | 0.04703 | 0.00200 | 0.05 | 0 | 94.1 | 80 - 120 | | | |
| Barium | 0.04662 | 0.00500 | 0.05 | 0 | 93.2 | 80 - 120 | | | |
| Beryllium | 0.04654 | 0.00200 | 0.05 | 0 | 93.1 | 80 - 120 | | | |
| Cadmium | 0.04687 | 0.00200 | 0.05 | 0 | 93.7 | 80 - 120 | | | |
| Calcium | 4.865 | 0.500 | 5 | 0 | 97.3 | 80 - 120 | | | |
| Chromium | 0.04717 | 0.00500 | 0.05 | 0 | 94.3 | 80 - 120 | | | |
| Cobalt | 0.0476 | 0.00200 | 0.05 | 0 | 95.2 | 80 - 120 | | | |
| Lead | 0.04395 | 0.00200 | 0.05 | 0 | 87.9 | 80 - 120 | | | |
| Lithium | 0.04665 | 0.00500 | 0.05 | 0 | 93.3 | 80 - 120 | | | |
| Molybdenum | 0.04538 | 0.00500 | 0.05 | 0 | 90.8 | 80 - 120 | | | |
| Selenium | 0.04722 | 0.00500 | 0.05 | 0 | 94.4 | 80 - 120 | | | |
| Thallium | 0.04576 | 0.00200 | 0.05 | 0 | 91.5 | 80 - 120 | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231765 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25080662-01MS** Units: **mg/L** Analysis Date: **18-Aug-2025 15:00**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990795** PrepDate: **16-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04407 | 0.00200 | 0.05 | 0 | 88.1 | 80 - 120 | | | | |
| Arsenic | 0.04661 | 0.00200 | 0.05 | 0.000966 | 91.3 | 80 - 120 | | | | |
| Barium | 0.2823 | 0.00500 | 0.05 | 0.2381 | 88.5 | 80 - 120 | | | | O |
| Beryllium | 0.04552 | 0.00200 | 0.05 | 0 | 91.0 | 80 - 120 | | | | |
| Cadmium | 0.04327 | 0.00200 | 0.05 | 0 | 86.5 | 80 - 120 | | | | |
| Calcium | 335.7 | 0.500 | 5 | 333.2 | 48.3 | 80 - 120 | | | | SEO |
| Chromium | 0.04457 | 0.00500 | 0.05 | 0 | 89.1 | 80 - 120 | | | | |
| Cobalt | 0.0473 | 0.00200 | 0.05 | 0.004105 | 86.4 | 80 - 120 | | | | |
| Lead | 0.04339 | 0.00200 | 0.05 | 0.000781 | 85.2 | 80 - 120 | | | | |
| Lithium | 0.06455 | 0.00500 | 0.05 | 0.02019 | 88.7 | 80 - 120 | | | | |
| Molybdenum | 0.04496 | 0.00500 | 0.05 | 0.000773 | 88.4 | 80 - 120 | | | | |
| Selenium | 0.04597 | 0.00500 | 0.05 | 0 | 91.9 | 80 - 120 | | | | |
| Thallium | 0.04185 | 0.00200 | 0.05 | 0 | 83.7 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25080662-01MSD** Units: **mg/L** Analysis Date: **18-Aug-2025 15:02**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990796** PrepDate: **16-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04519 | 0.00200 | 0.05 | 0 | 90.4 | 80 - 120 | 0.04407 | 2.5 | 20 | |
| Arsenic | 0.04789 | 0.00200 | 0.05 | 0.000966 | 93.8 | 80 - 120 | 0.04661 | 2.7 | 20 | |
| Barium | 0.2865 | 0.00500 | 0.05 | 0.2381 | 96.9 | 80 - 120 | 0.2823 | 1.47 | 20 | O |
| Beryllium | 0.04622 | 0.00200 | 0.05 | 0 | 92.4 | 80 - 120 | 0.04552 | 1.53 | 20 | |
| Cadmium | 0.04334 | 0.00200 | 0.05 | 0 | 86.7 | 80 - 120 | 0.04327 | 0.159 | 20 | |
| Calcium | 339.9 | 0.500 | 5 | 333.2 | 133 | 80 - 120 | 335.7 | 1.25 | 20 | SEO |
| Chromium | 0.045 | 0.00500 | 0.05 | 0 | 90.0 | 80 - 120 | 0.04457 | 0.947 | 20 | |
| Cobalt | 0.04828 | 0.00200 | 0.05 | 0.004105 | 88.4 | 80 - 120 | 0.0473 | 2.06 | 20 | |
| Lead | 0.04357 | 0.00200 | 0.05 | 0.000781 | 85.6 | 80 - 120 | 0.04339 | 0.407 | 20 | |
| Lithium | 0.06542 | 0.00500 | 0.05 | 0.02019 | 90.5 | 80 - 120 | 0.06455 | 1.34 | 20 | |
| Molybdenum | 0.04615 | 0.00500 | 0.05 | 0.000773 | 90.8 | 80 - 120 | 0.04496 | 2.61 | 20 | |
| Selenium | 0.046 | 0.00500 | 0.05 | 0 | 92.0 | 80 - 120 | 0.04597 | 0.0544 | 20 | |
| Thallium | 0.04272 | 0.00200 | 0.05 | 0 | 85.4 | 80 - 120 | 0.04185 | 2.06 | 20 | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231765 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25080662-01PDS** Units: **mg/L** Analysis Date: **18-Aug-2025 15:04**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990797** PrepDate: **16-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.09078 | 0.00200 | 0.1 | 0.000029 | 90.7 | 75 - 125 | | | | |
| Arsenic | 0.09471 | 0.00200 | 0.1 | 0.000966 | 93.7 | 75 - 125 | | | | |
| Barium | 0.3374 | 0.00500 | 0.1 | 0.2381 | 99.3 | 75 - 125 | | | | |
| Beryllium | 0.09494 | 0.00200 | 0.1 | 0.000019 | 94.9 | 75 - 125 | | | | |
| Cadmium | 0.08729 | 0.00200 | 0.1 | 0.000007 | 87.3 | 75 - 125 | | | | |
| Chromium | 0.08964 | 0.00500 | 0.1 | 0.000173 | 89.5 | 75 - 125 | | | | |
| Cobalt | 0.09554 | 0.00200 | 0.1 | 0.004105 | 91.4 | 75 - 125 | | | | |
| Lead | 0.09198 | 0.00200 | 0.1 | 0.000781 | 91.2 | 75 - 125 | | | | |
| Lithium | 0.1156 | 0.00500 | 0.1 | 0.02019 | 95.4 | 70 - 125 | | | | |
| Molybdenum | 0.09173 | 0.00500 | 0.1 | 0.000773 | 91.0 | 75 - 125 | | | | |
| Selenium | 0.09223 | 0.00500 | 0.1 | 0.000221 | 92.0 | 75 - 125 | | | | |
| Thallium | 0.09755 | 0.00200 | 0.1 | 0.000013 | 97.5 | 75 - 125 | | | | |

**PDS** Sample ID: **HS25080662-01PDS** Units: **mg/L** Analysis Date: **18-Aug-2025 16:28**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8991045** PrepDate: **16-Aug-2025** DF: **20**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 520.1 | 10.0 | 200 | 329.8 | 95.2 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231765 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25080662-01SD** Units: **mg/L** Analysis Date: **18-Aug-2025 14:54**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8990792** PrepDate: **16-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00130 | 0.0100 | | | | | 0.000029 | 0 | 10 | |
| Arsenic | < 0.00255 | 0.0100 | | | | | 0.000966 | 0 | 10 | |
| Barium | 0.224 | 0.0250 | | | | | 0.2381 | 5.92 | 10 | |
| Beryllium | < 0.00300 | 0.0100 | | | | | 0.000019 | 0 | 10 | |
| Cadmium | < 0.00210 | 0.0100 | | | | | 0.000007 | 0 | 10 | |
| Chromium | < 0.00865 | 0.0250 | | | | | 0.000173 | 0 | 10 | |
| Cobalt | 0.004256 | 0.0100 | | | | | 0.004105 | 0 | 10 | J |
| Lead | < 0.00235 | 0.0100 | | | | | 0.000781 | 0 | 10 | |
| Lithium | 0.02079 | 0.0250 | | | | | 0.02019 | 0 | 10 | J |
| Molybdenum | < 0.00200 | 0.0250 | | | | | 0.000773 | 0 | 10 | |
| Selenium | < 0.00500 | 0.0250 | | | | | 0.000221 | 0 | 10 | |
| Thallium | < 0.00350 | 0.0100 | | | | | 0.000013 | 0 | 10 | |

**SD** Sample ID: **HS25080662-01SD** Units: **mg/L** Analysis Date: **18-Aug-2025 16:26**
Client ID: Run ID: **ICPMS06_519837** SeqNo: **8991044** PrepDate: **16-Aug-2025** DF: **100**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 337.2 | 50.0 | | | | | 329.8 | 2.26 | 10 | |

**The following samples were analyzed in this batch:** HS25080726-01 HS25080726-02 HS25080726-03 HS25080726-04 HS25080726-06 HS25080726-07 HS25080726-11

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231873 ( 0 )** **Instrument: HG05** **Method: MERCURY BY SW7470A**

**MBLK** Sample ID: **MBLK-231873** Units: **mg/L** Analysis Date: **19-Aug-2025 14:58**
Client ID: Run ID: **HG05_520028** SeqNo: **8993464** PrepDate: **19-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | < 0.0000300 | 0.000200 | | | | | | | | |

**LCS** Sample ID: **LCS-231873** Units: **mg/L** Analysis Date: **19-Aug-2025 14:59**
Client ID: Run ID: **HG05_520028** SeqNo: **8993465** PrepDate: **19-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00522 | 0.000200 | 0.005 | 0 | 104 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080690-03MS** Units: **mg/L** Analysis Date: **19-Aug-2025 15:06**
Client ID: Run ID: **HG05_520028** SeqNo: **8993469** PrepDate: **19-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00521 | 0.000200 | 0.005 | 0 | 104 | 75 - 125 | | | | |

**MSD** Sample ID: **HS25080690-03MSD** Units: **mg/L** Analysis Date: **19-Aug-2025 15:08**
Client ID: Run ID: **HG05_520028** SeqNo: **8993470** PrepDate: **19-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00571 | 0.000200 | 0.005 | 0 | 114 | 75 - 125 | 0.00521 | 9.16 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25080726-01 | HS25080726-02 | HS25080726-03 | HS25080726-04 |
| HS25080726-06 | HS25080726-07 | HS25080726-08 | HS25080726-09 |
| HS25080726-10 | HS25080726-11 | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231891 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-231891** Units: **mg/L** Analysis Date: **20-Aug-2025 18:09**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996182** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000260 | 0.00200 | | | | | | | |
| Arsenic | < 0.000510 | 0.00200 | | | | | | | |
| Barium | < 0.000750 | 0.00500 | | | | | | | |
| Beryllium | < 0.000600 | 0.00200 | | | | | | | |
| Cadmium | < 0.000420 | 0.00200 | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | |
| Chromium | < 0.00173 | 0.00500 | | | | | | | |
| Cobalt | < 0.000530 | 0.00200 | | | | | | | |
| Lead | < 0.000470 | 0.00200 | | | | | | | |
| Lithium | < 0.000800 | 0.00500 | | | | | | | |
| Molybdenum | < 0.000400 | 0.00500 | | | | | | | |
| Selenium | < 0.00100 | 0.00500 | | | | | | | |
| Thallium | < 0.000700 | 0.00200 | | | | | | | |

**LCS** Sample ID: **LCS-231891** Units: **mg/L** Analysis Date: **20-Aug-2025 18:11**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996183** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04593 | 0.00200 | 0.05 | 0 | 91.9 | 80 - 120 | | | |
| Arsenic | 0.04582 | 0.00200 | 0.05 | 0 | 91.6 | 80 - 120 | | | |
| Barium | 0.04641 | 0.00500 | 0.05 | 0 | 92.8 | 80 - 120 | | | |
| Beryllium | 0.04395 | 0.00200 | 0.05 | 0 | 87.9 | 80 - 120 | | | |
| Cadmium | 0.04554 | 0.00200 | 0.05 | 0 | 91.1 | 80 - 120 | | | |
| Calcium | 4.895 | 0.500 | 5 | 0 | 97.9 | 80 - 120 | | | |
| Chromium | 0.04549 | 0.00500 | 0.05 | 0 | 91.0 | 80 - 120 | | | |
| Cobalt | 0.04527 | 0.00200 | 0.05 | 0 | 90.5 | 80 - 120 | | | |
| Lead | 0.04394 | 0.00200 | 0.05 | 0 | 87.9 | 80 - 120 | | | |
| Lithium | 0.04794 | 0.00500 | 0.05 | 0 | 95.9 | 80 - 120 | | | |
| Molybdenum | 0.04398 | 0.00500 | 0.05 | 0 | 88.0 | 80 - 120 | | | |
| Selenium | 0.04815 | 0.00500 | 0.05 | 0 | 96.3 | 80 - 120 | | | |
| Thallium | 0.04623 | 0.00200 | 0.05 | 0 | 92.5 | 80 - 120 | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231891 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25080776-05MS** Units: **mg/L** Analysis Date: **20-Aug-2025 18:19**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996187** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.0469 | 0.00200 | 0.05 | 0 | 93.8 | 80 - 120 | | | | |
| Arsenic | 0.04866 | 0.00200 | 0.05 | 0.001569 | 94.2 | 80 - 120 | | | | |
| Barium | 0.2699 | 0.00500 | 0.05 | 0.2223 | 95.2 | 80 - 120 | | | | O |
| Beryllium | 0.04603 | 0.00200 | 0.05 | 0 | 92.1 | 80 - 120 | | | | |
| Cadmium | 0.04585 | 0.00200 | 0.05 | 0 | 91.7 | 80 - 120 | | | | |
| Calcium | 83.88 | 0.500 | 5 | 77.21 | 133 | 80 - 120 | | | | SO |
| Chromium | 0.04566 | 0.00500 | 0.05 | 0 | 91.3 | 80 - 120 | | | | |
| Cobalt | 0.04483 | 0.00200 | 0.05 | 0 | 89.7 | 80 - 120 | | | | |
| Lead | 0.04442 | 0.00200 | 0.05 | 0 | 88.8 | 80 - 120 | | | | |
| Lithium | 0.06795 | 0.00500 | 0.05 | 0.01796 | 100.0 | 80 - 120 | | | | |
| Molybdenum | 0.04656 | 0.00500 | 0.05 | 0.002157 | 88.8 | 80 - 120 | | | | |
| Selenium | 0.04849 | 0.00500 | 0.05 | 0 | 97.0 | 80 - 120 | | | | |
| Thallium | 0.04358 | 0.00200 | 0.05 | 0 | 87.2 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25080776-05MSD** Units: **mg/L** Analysis Date: **20-Aug-2025 18:21**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996188** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04615 | 0.00200 | 0.05 | 0 | 92.3 | 80 - 120 | 0.0469 | 1.62 | 20 | |
| Arsenic | 0.04758 | 0.00200 | 0.05 | 0.001569 | 92.0 | 80 - 120 | 0.04866 | 2.24 | 20 | |
| Barium | 0.2748 | 0.00500 | 0.05 | 0.2223 | 105 | 80 - 120 | 0.2699 | 1.77 | 20 | O |
| Beryllium | 0.04474 | 0.00200 | 0.05 | 0 | 89.5 | 80 - 120 | 0.04603 | 2.84 | 20 | |
| Cadmium | 0.04644 | 0.00200 | 0.05 | 0 | 92.9 | 80 - 120 | 0.04585 | 1.27 | 20 | |
| Calcium | 83.22 | 0.500 | 5 | 77.21 | 120 | 80 - 120 | 83.88 | 0.78 | 20 | SO |
| Chromium | 0.0448 | 0.00500 | 0.05 | 0 | 89.6 | 80 - 120 | 0.04566 | 1.88 | 20 | |
| Cobalt | 0.04407 | 0.00200 | 0.05 | 0 | 88.1 | 80 - 120 | 0.04483 | 1.72 | 20 | |
| Lead | 0.04477 | 0.00200 | 0.05 | 0 | 89.5 | 80 - 120 | 0.04442 | 0.78 | 20 | |
| Lithium | 0.06612 | 0.00500 | 0.05 | 0.01796 | 96.3 | 80 - 120 | 0.06795 | 2.73 | 20 | |
| Molybdenum | 0.0467 | 0.00500 | 0.05 | 0.002157 | 89.1 | 80 - 120 | 0.04656 | 0.307 | 20 | |
| Selenium | 0.04712 | 0.00500 | 0.05 | 0 | 94.2 | 80 - 120 | 0.04849 | 2.86 | 20 | |
| Thallium | 0.04465 | 0.00200 | 0.05 | 0 | 89.3 | 80 - 120 | 0.04358 | 2.43 | 20 | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 231891 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25080776-05PDS** Units: **mg/L** Analysis Date: **20-Aug-2025 18:23**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996189** PrepDate: **20-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.08833 | 0.00200 | 0.1 | 0.000083 | 88.2 | 75 - 125 | | | | |
| Arsenic | 0.0905 | 0.00200 | 0.1 | 0.001569 | 88.9 | 75 - 125 | | | | |
| Barium | 0.3109 | 0.00500 | 0.1 | 0.2223 | 88.5 | 75 - 125 | | | | |
| Beryllium | 0.08857 | 0.00200 | 0.1 | 0.000003 | 88.6 | 75 - 125 | | | | |
| Cadmium | 0.08865 | 0.00200 | 0.1 | 0.000143 | 88.5 | 75 - 125 | | | | |
| Calcium | 84.44 | 0.500 | 10 | 77.21 | 72.3 | 75 - 125 | | | | SO |
| Chromium | 0.08552 | 0.00500 | 0.1 | 0.000487 | 85.0 | 75 - 125 | | | | |
| Cobalt | 0.08694 | 0.00200 | 0.1 | 0.000243 | 86.7 | 75 - 125 | | | | |
| Lead | 0.08819 | 0.00200 | 0.1 | 0.000042 | 88.2 | 75 - 125 | | | | |
| Lithium | 0.1117 | 0.00500 | 0.1 | 0.01796 | 93.8 | 70 - 125 | | | | |
| Molybdenum | 0.08956 | 0.00500 | 0.1 | 0.002157 | 87.4 | 75 - 125 | | | | |
| Selenium | 0.09146 | 0.00500 | 0.1 | 0.000215 | 91.2 | 75 - 125 | | | | |
| Thallium | 0.09081 | 0.00200 | 0.1 | 0.000003 | 90.8 | 75 - 125 | | | | |

**SD** Sample ID: **HS25080776-05SD** Units: **mg/L** Analysis Date: **20-Aug-2025 18:13**
Client ID: Run ID: **ICPMS06_520071** SeqNo: **8996184** PrepDate: **20-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00130 | 0.0100 | | | | | 0.000083 | 0 | 10 | |
| Arsenic | < 0.00255 | 0.0100 | | | | | 0.001569 | 0 | 10 | |
| Barium | 0.2225 | 0.0250 | | | | | 0.2223 | 0.0846 | 10 | |
| Beryllium | < 0.00300 | 0.0100 | | | | | 0.000003 | 0 | 10 | |
| Cadmium | < 0.00210 | 0.0100 | | | | | 0.000143 | 0 | 10 | |
| Calcium | 78.73 | 2.50 | | | | | 77.21 | 1.96 | 10 | |
| Chromium | < 0.00865 | 0.0250 | | | | | 0.000487 | 0 | 10 | |
| Cobalt | < 0.00265 | 0.0100 | | | | | 0.000243 | 0 | 10 | |
| Lead | < 0.00235 | 0.0100 | | | | | 0.000042 | 0 | 10 | |
| Lithium | 0.01845 | 0.0250 | | | | | 0.01796 | 0 | 10 | J |
| Molybdenum | 0.002282 | 0.0250 | | | | | 0.002157 | 0 | 10 | J |
| Selenium | < 0.00500 | 0.0250 | | | | | 0.000215 | 0 | 10 | |
| Thallium | < 0.00350 | 0.0100 | | | | | 0.000003 | 0 | 10 | |

**The following samples were analyzed in this batch:** HS25080726-08 HS25080726-09 HS25080726-10

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232059 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-232059** Units: **mg/L** Analysis Date: **25-Aug-2025 15:46**
Client ID: Run ID: **ICPMS06_520367** SeqNo: **9002221** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000260 | 0.00200 | | | | | | | | |
| Arsenic | < 0.000510 | 0.00200 | | | | | | | | |
| Barium | < 0.000750 | 0.00500 | | | | | | | | |
| Cadmium | < 0.000420 | 0.00200 | | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | | |
| Chromium | < 0.00173 | 0.00500 | | | | | | | | |
| Cobalt | < 0.000530 | 0.00200 | | | | | | | | |
| Lead | < 0.000470 | 0.00200 | | | | | | | | |
| Lithium | < 0.000800 | 0.00500 | | | | | | | | |
| Molybdenum | < 0.000400 | 0.00500 | | | | | | | | |
| Selenium | < 0.00100 | 0.00500 | | | | | | | | |
| Thallium | < 0.000700 | 0.00200 | | | | | | | | |

**MBLK** Sample ID: **MBLK-232059** Units: **mg/L** Analysis Date: **25-Aug-2025 18:01**
Client ID: Run ID: **ICPMS06_520367** SeqNo: **9002397** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | < 0.000600 | 0.00200 | | | | | | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232059 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**LCS** Sample ID: **LCS-232059** Units: **mg/L** Analysis Date: **25-Aug-2025 15:48**
Client ID: Run ID: **ICPMS06_520367** SeqNo: **9002222** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04611 | 0.00200 | 0.05 | 0 | 92.2 | 80 - 120 | | | | |
| Arsenic | 0.04577 | 0.00200 | 0.05 | 0 | 91.5 | 80 - 120 | | | | |
| Barium | 0.04601 | 0.00500 | 0.05 | 0 | 92.0 | 80 - 120 | | | | |
| Cadmium | 0.04718 | 0.00200 | 0.05 | 0 | 94.4 | 80 - 120 | | | | |
| Calcium | 4.646 | 0.500 | 5 | 0 | 92.9 | 80 - 120 | | | | |
| Chromium | 0.04521 | 0.00500 | 0.05 | 0 | 90.4 | 80 - 120 | | | | |
| Cobalt | 0.04539 | 0.00200 | 0.05 | 0 | 90.8 | 80 - 120 | | | | |
| Lead | 0.04397 | 0.00200 | 0.05 | 0 | 87.9 | 80 - 120 | | | | |
| Lithium | 0.04374 | 0.00500 | 0.05 | 0 | 87.5 | 80 - 120 | | | | |
| Molybdenum | 0.04609 | 0.00500 | 0.05 | 0 | 92.2 | 80 - 120 | | | | |
| Selenium | 0.04588 | 0.00500 | 0.05 | 0 | 91.8 | 80 - 120 | | | | |
| Thallium | 0.04366 | 0.00200 | 0.05 | 0 | 87.3 | 80 - 120 | | | | |

**LCS** Sample ID: **LCS-232059** Units: **mg/L** Analysis Date: **25-Aug-2025 18:03**
Client ID: Run ID: **ICPMS06_520367** SeqNo: **9002398** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | 0.04586 | 0.00200 | 0.05 | 0 | 91.7 | 80 - 120 | | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232059 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25080726-05MS** Units: **mg/L** Analysis Date: **25-Aug-2025 15:58**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002226** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04623 | 0.00200 | 0.05 | 0 | 92.5 | 80 - 120 | | | | |
| Arsenic | 0.049 | 0.00200 | 0.05 | 0.002279 | 93.4 | 80 - 120 | | | | |
| Barium | 0.08935 | 0.00500 | 0.05 | 0.04101 | 96.7 | 80 - 120 | | | | |
| Cadmium | 0.04682 | 0.00200 | 0.05 | 0 | 93.6 | 80 - 120 | | | | |
| Calcium | 66.92 | 0.500 | 5 | 62.49 | 88.5 | 80 - 120 | | | | O |
| Chromium | 0.04483 | 0.00500 | 0.05 | 0 | 89.7 | 80 - 120 | | | | |
| Cobalt | 0.04405 | 0.00200 | 0.05 | 0 | 88.1 | 80 - 120 | | | | |
| Lead | 0.04428 | 0.00200 | 0.05 | 0 | 88.6 | 80 - 120 | | | | |
| Lithium | 0.05527 | 0.00500 | 0.05 | 0.01069 | 89.2 | 80 - 120 | | | | |
| Molybdenum | 0.04753 | 0.00500 | 0.05 | 0.000488 | 94.1 | 80 - 120 | | | | |
| Selenium | 0.04876 | 0.00500 | 0.05 | 0.002994 | 91.5 | 80 - 120 | | | | |
| Thallium | 0.04162 | 0.00200 | 0.05 | 0 | 83.2 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080726-05MS** Units: **mg/L** Analysis Date: **25-Aug-2025 18:09**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002401** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | 0.04711 | 0.00200 | 0.05 | 0.000021 | 94.2 | 80 - 120 | | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232059 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MSD** Sample ID: **HS25080726-05MSD** Units: **mg/L** Analysis Date: **25-Aug-2025 16:00**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002227** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04715 | 0.00200 | 0.05 | 0 | 94.3 | 80 - 120 | 0.04623 | 1.95 | 20 | |
| Arsenic | 0.04944 | 0.00200 | 0.05 | 0.002279 | 94.3 | 80 - 120 | 0.049 | 0.896 | 20 | |
| Barium | 0.09058 | 0.00500 | 0.05 | 0.04101 | 99.1 | 80 - 120 | 0.08935 | 1.36 | 20 | |
| Cadmium | 0.04669 | 0.00200 | 0.05 | 0 | 93.4 | 80 - 120 | 0.04682 | 0.28 | 20 | |
| Calcium | 68.58 | 0.500 | 5 | 62.49 | 122 | 80 - 120 | 66.92 | 2.45 | 20 | SO |
| Chromium | 0.04535 | 0.00500 | 0.05 | 0 | 90.7 | 80 - 120 | 0.04483 | 1.14 | 20 | |
| Cobalt | 0.04483 | 0.00200 | 0.05 | 0 | 89.7 | 80 - 120 | 0.04405 | 1.74 | 20 | |
| Lead | 0.04455 | 0.00200 | 0.05 | 0 | 89.1 | 80 - 120 | 0.04428 | 0.617 | 20 | |
| Lithium | 0.056 | 0.00500 | 0.05 | 0.01069 | 90.6 | 80 - 120 | 0.05527 | 1.32 | 20 | |
| Molybdenum | 0.04817 | 0.00500 | 0.05 | 0.000488 | 95.4 | 80 - 120 | 0.04753 | 1.34 | 20 | |
| Selenium | 0.04988 | 0.00500 | 0.05 | 0.002994 | 93.8 | 80 - 120 | 0.04876 | 2.28 | 20 | |
| Thallium | 0.04223 | 0.00200 | 0.05 | 0 | 84.5 | 80 - 120 | 0.04162 | 1.45 | 20 | |

**MSD** Sample ID: **HS25080726-05MSD** Units: **mg/L** Analysis Date: **25-Aug-2025 18:11**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002402** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | 0.04689 | 0.00200 | 0.05 | 0.000021 | 93.7 | 80 - 120 | 0.04711 | 0.485 | 20 | |

**PDS** Sample ID: **HS25080726-05PDS** Units: **mg/L** Analysis Date: **25-Aug-2025 16:02**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002228** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.09177 | 0.00200 | 0.1 | 0.000045 | 91.7 | 75 - 125 | | | | |
| Arsenic | 0.0959 | 0.00200 | 0.1 | 0.002279 | 93.6 | 75 - 125 | | | | |
| Barium | 0.1388 | 0.00500 | 0.1 | 0.04101 | 97.8 | 75 - 125 | | | | |
| Cadmium | 0.09298 | 0.00200 | 0.1 | 0.00005 | 92.9 | 75 - 125 | | | | |
| Calcium | 69.39 | 0.500 | 10 | 62.49 | 69.0 | 75 - 125 | | | | SO |
| Chromium | 0.08931 | 0.00500 | 0.1 | 0.000321 | 89.0 | 75 - 125 | | | | |
| Cobalt | 0.08788 | 0.00200 | 0.1 | 0.000022 | 87.9 | 75 - 125 | | | | |
| Lead | 0.09097 | 0.00200 | 0.1 | 0.000172 | 90.8 | 75 - 125 | | | | |
| Molybdenum | 0.09393 | 0.00500 | 0.1 | 0.000488 | 93.4 | 75 - 125 | | | | |
| Selenium | 0.09443 | 0.00500 | 0.1 | 0.002994 | 91.4 | 75 - 125 | | | | |
| Thallium | 0.09529 | 0.00200 | 0.1 | -0.000003 | 95.3 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232059 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25080726-05PDS** Units: **mg/L** Analysis Date: **25-Aug-2025 18:13**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002403** PrepDate: **23-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | 0.09392 | 0.00200 | 0.1 | 0.000021 | 93.9 | 75 - 125 | | | | |

**SD** Sample ID: **HS25080726-05SD** Units: **mg/L** Analysis Date: **25-Aug-2025 15:50**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002223** PrepDate: **23-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00130 | 0.0100 | | | | | 0.000045 | 0 | 10 | |
| Arsenic | 0.003531 | 0.0100 | | | | | 0.002279 | 0 | 10 | J |
| Barium | 0.04202 | 0.0250 | | | | | 0.04101 | 2.46 | 10 | |
| Cadmium | < 0.00210 | 0.0100 | | | | | 0.00005 | 0 | 10 | |
| Calcium | 61.88 | 2.50 | | | | | 62.49 | 0.977 | 10 | |
| Chromium | < 0.00865 | 0.0250 | | | | | 0.000321 | 0 | 10 | |
| Cobalt | < 0.00265 | 0.0100 | | | | | 0.000022 | 0 | 10 | |
| Lead | < 0.00235 | 0.0100 | | | | | 0.000172 | 0 | 10 | |
| Lithium | 0.01139 | 0.0250 | | | | | 0.01069 | 0 | 10 | J |
| Molybdenum | < 0.00200 | 0.0250 | | | | | 0.000488 | 0 | 10 | |
| Selenium | < 0.00500 | 0.0250 | | | | | 0.002994 | 0 | 10 | |
| Thallium | < 0.00350 | 0.0100 | | | | | -0.000003 | 0 | 10 | |

**SD** Sample ID: **HS25080726-05SD** Units: **mg/L** Analysis Date: **25-Aug-2025 18:07**
Client ID: **MW-48** Run ID: **ICPMS06_520367** SeqNo: **9002400** PrepDate: **23-Aug-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | < 0.00300 | 0.0100 | | | | | 0.000021 | 0 | 10 | |

**The following samples were analyzed in this batch:** HS25080726-05

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** HS25080726

**QC BATCH REPORT**

**Batch ID: 232091 ( 0 )** **Instrument: HG05** **Method: MERCURY BY SW7470A**

**MBLK** Sample ID: **MBLK-232091** Units: **mg/L** Analysis Date: **25-Aug-2025 13:40**
Client ID: Run ID: **HG05_520427** SeqNo: **9001951** PrepDate: **25-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | < 0.0000300 | 0.000200 | | | | | | | | |

**LCS** Sample ID: **LCS-232091** Units: **mg/L** Analysis Date: **25-Aug-2025 13:44**
Client ID: Run ID: **HG05_520427** SeqNo: **9001952** PrepDate: **25-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00475 | 0.000200 | 0.005 | 0 | 95.0 | 80 - 120 | | | | |

**MS** Sample ID: **HS25080726-05MS** Units: **mg/L** Analysis Date: **25-Aug-2025 13:47**
Client ID: **MW-48** Run ID: **HG05_520427** SeqNo: **9001954** PrepDate: **25-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00532 | 0.000200 | 0.005 | -0.000011 | 107 | 75 - 125 | | | | |

**MSD** Sample ID: **HS25080726-05MSD** Units: **mg/L** Analysis Date: **25-Aug-2025 13:52**
Client ID: **MW-48** Run ID: **HG05_520427** SeqNo: **9001957** PrepDate: **25-Aug-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00494 | 0.000200 | 0.005 | -0.000011 | 99.0 | 75 - 125 | 0.00532 | 7.41 | 20 | |

**The following samples were analyzed in this batch:** HS25080726-05

**Client:** TRC
**Project:** NRG Limestone-Appendix III-IV
**WorkOrder:** **HS25080726**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| California | 2919 - 2025 | 30-Apr-2026 |
| Dept of Defense | L24-239 | 30-Apr-2026 |
| Dept of Defense | L24-240 | 30-Apr-2026 |
| Florida | E87611-2025 | 30-Jun-2026 |
| Illinois | 200032 - 2025 | 31-Jul-2026 |
| Kansas | KS-C25-00168 | 31-Jul-2026 |
| Kentucky | 123043-2025 | 30-Apr-2026 |
| Louisiana | 03087-2025 | 30-Jun-2026 |
| Maine | 2024017 | 23-Jun-2026 |
| Michigan | 9971-2025 | 30-Apr-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| Nebraska | NE-OS-25-13 - 2025 | 30-Apr-2026 |
| Nevada | NV-C25-00124 - 2025 | 31-Jul-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008-2025 | 30-Jun-2026 |
| New York | 11707 - 2025 | 01-Apr-2026 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| North Dakota | R-193 2023-2024 | 30-Sep-2025 |
| Oklahoma | 2023-140 | 31-Aug-2025 |
| Oregon | TX200002-013 | 15-May-2026 |
| Pennsylvania | 019 | 01-Jul-2026 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | T104704231 TX-C24-00130 | 30-Apr-2026 |

## Sample Receipt Checklist

**Work Order ID:** HS25080726 **Date/Time Received:** **14-Aug-2025 11:30**

**Client Name:** TRC-HOU **Received by:** **Chelsea Rogers**

| **Completed By:** | /S/ Kaycee Rogers | 14-Aug-2025 20:52 | **Reviewed by:** | /S/ Beverly Mustafa | 15-Aug-2025 09:26 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **w** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 2 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:345460, 345459 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 3.5uc/3.5c, 4.9uc/4.9c | ir 37 | |
| Cooler(s)/Kit(s): | 53740, 51933 | | |
| Date/Time sample(s) sent to storage: | 08/14/2025 2052 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form

Page 1 of 2

COC ID: 345460

**HS25080726**

WV

TRC

NRG Limestone-Appendix III-IV

ALS Project Manager:

| Customer Information | | Project Information | | |
|---|---|---|---|---|
| Purchase Order | [illegible] | Project Name | [illegible] | A |
| Work Order | | Project Number | [illegible] | B |
| Company Name | TRC Corporation | Bill To Company | TRC | C |
| Send Report To | Lori Burns | Invoice Attn | AP | D |
| Address | 14701 St. Mary's Lane<br>Suite 500 | Address | 14701 St. Mary's Lane<br>Suite 500 | E<br>F |
| City/State/Zip | Houston TX 77079 | City/State/Zip | Houston TX 77079 | G |
| Phone | (713) 241-6000 | Phone | (713) 241-6000 | H |
| Fax | (713) 241-1099 | Fax | (713) 241-1099 | I |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 8-13-25 | 1110 | Water | 5.0 | 3 | X | X | X | | | | | | | | |
| 2 | [illegible] | | 1235 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 3 | [illegible] | | 1300 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 4 | [illegible] | | 1200 | Water | 2.5 | 3 | X | X | X | | | | | | | | |
| 5 | [illegible] | | 1045 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 6 | [illegible] | | 955 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 7 | [illegible] | | 1330 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 8 | [illegible] | | 1145 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 9 | [illegible] | | 1020 | Water | 2.8 | 3 | X | X | X | | | | | | | | |
| 10 | [illegible] | | 1020 | Water | 2.8 | 3 | X | X | X | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin/HMI Team

Shipment Method: Courier Drop off

Required Turnaround Time: (Check Box) [ ] [ ] [X] [ ] [ ] [ ]

Results Due Date:

Relinquished by: Jaclyn Sims Date: 8/14/25 Time: 11:30 Received by:

Relinquished by: Date: Time: Received by (Laboratory): CR 08/14/25 1130

Logged by (Laboratory): Date: Time: Checked by (Laboratory): CR

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| IR37 | C to 0.0 |
| 53740 | 3.5 |
| BLUE | [illegible] |
| 52484 | 4.1 |
| 53799 | 1.8 |

QC Package: (Check One Box Below)

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form



COC ID: 345459

**HS25080726**

TRC

NRG Limestone-Appendix III-IV

ALS Project Manager:

| Customer Information | | Project Information | | |
|---|---|---|---|---|
| Purchase Order | [illegible] | Project Name | [illegible] | A |
| Work Order | | Project Number | [illegible] | B |
| Company Name | TRC Corporation | Bill To Company | [illegible] | C |
| Send Report To | [illegible] | Invoice Attn | [illegible] | D |
| Address | 1670 St. Mary's Lane Suite 500 | Address | [illegible] | E F |
| City/State/Zip | [illegible] | City/State/Zip | [illegible] | G |
| Phone | [illegible] | Phone | [illegible] | H |
| Fax | [illegible] | Fax | [illegible] | I |
| e-Mail Address | [illegible] | e-Mail Address | [illegible] | J |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-48 - MS | 8-13-25 | 1045 | Water | | 3 | X | X | X | | | | | | | | |
| 2 | MW-48 - MSD | ↓ | 1045 | Water | | 3 | X | X | X | | | | | | | | |
| 3 | Equip Blank | | | Water | | | X | X | | BRH | | | | | | | |
| 4 | Field Dup-01 | 8-13-25 | 930 | Water | | 12 | X | X | / | BRH | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin/HNTB Team

Shipment Method: Consult. Drop off

Required Turnaround Time: (Check Box)

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: |
|---|---|---|---|
| Jaryn Sims | 8/14/25 | 11:30 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): CK 08/14/25 1130 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: NRG Limestone PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| IR37 | C+0.0 |
| 53740 | 3.5 |
| Blue | 1.6 |
| 52484 | 4.1 |
| 53799 | 1.8 |

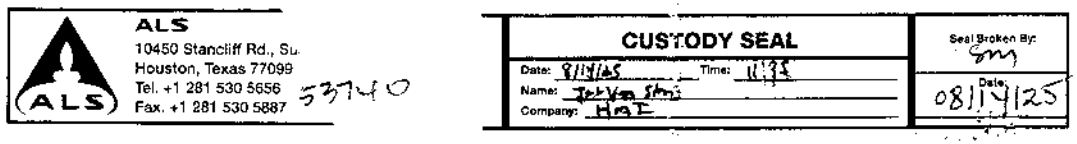
QC Package: (Check One Box Below)

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_3$ 7-Other 8-4°C 9-5035

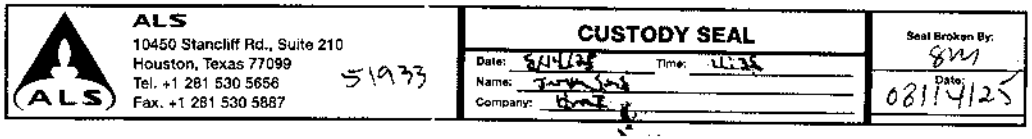
Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

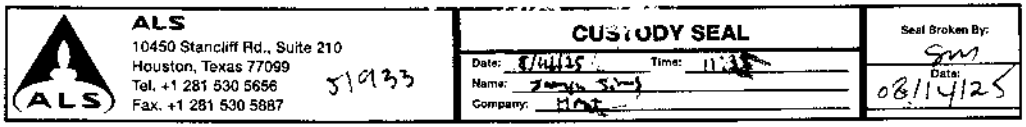
Privileged and Confidential




53740 AUG 14 2025




51933 AUG 14 2025



22-Aug-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25080726** Work Order: **25080116**

Dear Andrew,

ALS Environmental received 11 samples on 19-Aug-2025 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25080726 |
| **Work Order:** | 25080116 |

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC Chapter 5
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR 1_250819B | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25080116 | | |
| Analyst Name: KB | Date: 08/19/25 | Reviewer Name: QN | Date: 8/20/2025 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**Client:** ALS Environmental
**Project:** HS25080726
**Work Order:** **25080116**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25080116-01 | MW-06 | Water | HS25080726-01 | 8/13/2025 11:10 | 8/19/2025 09:00 | ☐ |
| 25080116-02 | MW-09 | Water | HS25080726-02 | 8/13/2025 12:35 | 8/19/2025 09:00 | ☐ |
| 25080116-03 | MW-16 | Water | HS25080726-03 | 8/13/2025 13:00 | 8/19/2025 09:00 | ☐ |
| 25080116-04 | MW-47 | Water | HS25080726-04 | 8/13/2025 12:00 | 8/19/2025 09:00 | ☐ |
| 25080116-05 | MW-48 | Water | HS25080726-05 | 8/13/2025 10:45 | 8/19/2025 09:00 | ☐ |
| 25080116-06 | MW-49 | Water | HS25080726-06 | 8/13/2025 09:55 | 8/19/2025 09:00 | ☐ |
| 25080116-07 | MW-50 | Water | HS25080726-07 | 8/13/2025 13:30 | 8/19/2025 09:00 | ☐ |
| 25080116-08 | MW-51 | Water | HS25080726-08 | 8/13/2025 11:45 | 8/19/2025 09:00 | ☐ |
| 25080116-09 | MW-52 | Water | HS25080726-09 | 8/13/2025 10:20 | 8/19/2025 09:00 | ☐ |
| 25080116-10 | MW-53 | Water | HS25080726-10 | 8/13/2025 10:20 | 8/19/2025 09:00 | ☐ |
| 25080116-11 | Field Dup-01 | Water | HS25080726-11 | 8/13/2025 09:30 | 8/19/2025 09:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25080726
**WorkOrder:** **25080116**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25080726 |
| **Work Order:** | 25080116 |

## Case Narrative

Samples for the above noted Work Order were received on 08/19/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.



Privileged and Confidential

**Work Order:** 25080116
**Client:** ALS Environmental
**Project:** HS25080726

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R423329 **Test Name:** Fluoride | | | | | | |
| 25080116-01 ^ | MW-06 | Water | 8/13/2025 11:10:00 AM | | | 8/19/2025 03:40 PM |
| 25080116-02 ^ | MW-09 | | 8/13/2025 12:35:00 PM | | | 8/19/2025 03:40 PM |
| 25080116-03 ^ | MW-16 | | 8/13/2025 1:00:00 PM | | | 8/19/2025 03:40 PM |
| 25080116-04 ^ | MW-47 | | 8/13/2025 12:00:00 PM | | | 8/19/2025 03:40 PM |
| 25080116-05 ^ | MW-48 | | 8/13/2025 10:45:00 AM | | | 8/19/2025 03:40 PM |
| 25080116-06 ^ | MW-49 | | 8/13/2025 9:55:00 AM | | | 8/19/2025 03:40 PM |
| 25080116-07 ^ | MW-50 | | 8/13/2025 1:30:00 PM | | | 8/19/2025 03:40 PM |
| 25080116-08 ^ | MW-51 | | 8/13/2025 11:45:00 AM | | | 8/19/2025 03:40 PM |
| 25080116-09 ^ | MW-52 | | 8/13/2025 10:20:00 AM | | | 8/19/2025 03:40 PM |
| 25080116-10 ^ | MW-53 | | | | | 8/19/2025 03:40 PM |
| 25080116-11 ^ | Field Dup-01 | | 8/13/2025 9:30:00 AM | | | 8/19/2025 03:40 PM |

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-06
**Collection Date:** 8/13/2025 11:10 AM

**Work Order:** 25080116
**Lab ID:** 25080116-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-09
**Collection Date:** 8/13/2025 12:35 PM

**Work Order:** 25080116
**Lab ID:** 25080116-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-16
**Collection Date:** 8/13/2025 01:00 PM

**Work Order:** 25080116
**Lab ID:** 25080116-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.760** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-47
**Collection Date:** 8/13/2025 12:00 PM

**Work Order:** 25080116
**Lab ID:** 25080116-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.330** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-48
**Collection Date:** 8/13/2025 10:45 AM

**Work Order:** 25080116
**Lab ID:** 25080116-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.190** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-49
**Collection Date:** 8/13/2025 09:55 AM

**Work Order:** 25080116
**Lab ID:** 25080116-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0700** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-50
**Collection Date:** 8/13/2025 01:30 PM

**Work Order:** 25080116
**Lab ID:** 25080116-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| Fluoride | U | | 0.058 | 0.10 | mg/L | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-51
**Collection Date:** 8/13/2025 11:45 AM

**Work Order:** 25080116
**Lab ID:** 25080116-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.160** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-52
**Collection Date:** 8/13/2025 10:20 AM

**Work Order:** 25080116
**Lab ID:** 25080116-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0900** | J | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** MW-53
**Collection Date:** 8/13/2025 10:20 AM

**Work Order:** 25080116
**Lab ID:** 25080116-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.550** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

**Date:** *22-Aug-25*

**Client:** ALS Environmental
**Project:** HS25080726
**Sample ID:** Field Dup-01
**Collection Date:** 8/13/2025 09:30 AM

**Work Order:** 25080116
**Lab ID:** 25080116-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.100** | | **0.058** | **0.10** | **mg/L** | 1 | 8/19/2025 15:40 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

**Date:** 22-Aug-25

**WorkOrder:** 25080116
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# QC BATCH REPORT

Batch ID: **R423329** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593868** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**MBLK** Sample ID: **MB-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593894** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593869** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.83 | 0.058 | 0.10 | 5 | 0 | 96.6 | 90-111 | 0 | | | |

**LCS** Sample ID: **LCS-R423329-R423329** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593895** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.93 | 0.058 | 0.10 | 5 | 0 | 98.6 | 90-111 | 0 | | | |

**MS** Sample ID: **25080115-01A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593871** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.98 | 0.058 | 0.10 | 5 | 0.07 | 98.2 | 90-111 | 0 | | | |

**MS** Sample ID: **25080115-15A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593887** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.34 | 0.058 | 0.10 | 5 | 0.2 | 103 | 90-111 | 0 | | | |

**MS** Sample ID: **25080116-01A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**

Client ID: **MW-06** Run ID: **TITRATOR 1_250819B** SeqNo: **11593899** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.22 | 0.058 | 0.10 | 5 | 0.16 | 101 | 90-111 | 0 | | | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** ALS Environmental
**Work Order:** 25080116
**Project:** HS25080726

# QC BATCH REPORT

Batch ID: **R423329** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MS** Sample ID: **25080116-05A MS** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: **MW-48** Run ID: **TITRATOR 1_250819B** SeqNo: **11593905** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.27 | 0.058 | 0.10 | 5 | 0.19 | 102 | 90-111 | 0 | | | |

**MSD** Sample ID: **25080115-01A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593872** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.98 | 0.058 | 0.10 | 5 | 0.07 | 98.2 | 90-111 | 4.98 | 0 | 20 | |

**MSD** Sample ID: **25080115-15A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: Run ID: **TITRATOR 1_250819B** SeqNo: **11593888** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.39 | 0.058 | 0.10 | 5 | 0.2 | 104 | 90-111 | 5.34 | 0.932 | 20 | |

**MSD** Sample ID: **25080116-01A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: **MW-06** Run ID: **TITRATOR 1_250819B** SeqNo: **11593900** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.16 | 103 | 90-111 | 5.22 | 1.33 | 20 | |

**MSD** Sample ID: **25080116-05A MSD** Units: **mg/L** Analysis Date: **8/19/2025 03:40 PM**
Client ID: **MW-48** Run ID: **TITRATOR 1_250819B** SeqNo: **11593906** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.37 | 0.058 | 0.10 | 5 | 0.19 | 104 | 90-111 | 5.27 | 1.88 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25080116-01A | 25080116-02A | 25080116-03A |
| 25080116-04A | 25080116-05A | 25080116-06A |
| 25080116-07A | 25080116-08A | 25080116-09A |
| 25080116-10A | 25080116-11A | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

25080116

ALS - HOUSTON: ALS Environmental

Project: HS

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

# Subcontract Chain of Custody

**SAMPLING STATE:** Texas **COC ID:** 29271

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25080726 |
| **TSR:** | Ron Martino |

| | LAB SAMPLE ID / ANALYSIS REQUESTED | CLIENT SAMPLE ID | MATRIX | COLLECT DATE / DUE DATE |
|---|---|---|---|---|
| 1. | **HS25080726-01** | **MW-06** | **Water** | **13 Aug 2025 11:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 2. | **HS25080726-02** | **MW-09** | **Water** | **13 Aug 2025 12:35** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 3. | **HS25080726-03** | **MW-16** | **Water** | **13 Aug 2025 13:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 4. | **HS25080726-04** | **MW-47** | **Water** | **13 Aug 2025 12:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 5. | **HS25080726-05** | **MW-48** | **Water** | **13 Aug 2025 10:45** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 6. | **HS25080726-06** | **MW-49** | **Water** | **13 Aug 2025 09:55** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 7. | **HS25080726-07** | **MW-50** | **Water** | **13 Aug 2025 13:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 8. | **HS25080726-08** | **MW-51** | **Water** | **13 Aug 2025 11:45** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| 9. | **HS25080726-09** | **MW-52** | **Water** | **13 Aug 2025 10:20** |



Privileged and Confidential

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **29271**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **10.** | **HS25080726-10** | **MW-53** | **Water** | **13 Aug 2025 10:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |
| **11.** | **HS25080726-11** | **Field Dup-01** | **Water** | **13 Aug 2025 09:30** |
| | Fluoride by ISE 4500. EQuis EDD | | | 21 Aug 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: 

Date/Time: 8/18/25 1800

Received By:

Date/Time: 8-19-25 900

Cooler ID(s):

Temperature(s): 2.9 RM



Privileged and Confidential

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **19-Aug-25 09:00**

Work Order: **25080116** Received by: **JD**

Checklist completed by Jason Delinger 20-Aug-25 Reviewed by: Chelsey Cook 20-Aug-25
eSignature Date eSignature Date

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 2.9/2.9 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 8/20/2025 12:15:41 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 9/15/2025 9:51:19 AM

## JOB DESCRIPTION

NRG Limestone

## JOB NUMBER

160-59230-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
9/15/2025 9:51:19 AM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 15
QC Association Summary . . . . . 17
Tracer Carrier Summary . . . . . 18

**Job Narrative**
**160-59230-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

**Receipt**
The samples were received on 8/15/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.1°C and 2.7°C.

**Receipt Exceptions**
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-48 (160-59230-5[MS]) and MW-48 (160-59230-5[MSD]). The container labels list MS and MSD in the sample IDs, while the COC lists does not have MS and MSD in the sample IDs. The sample IDs were logged in per the COC.

The following samples were received at the laboratory without a sample collection date documented on the chain of custody: MW-06 (160-59230-1), MW-09 (160-59230-2), MW-16 (160-59230-3), MW-47 (160-59230-4), MW-48 (160-59230-5), MW-48 (160-59230-5[MS]), MW-48 (160-59230-5[MSD]), MW-49 (160-59230-6), MW-50 (160-59230-7), MW-51 (160-59230-8), MW-52 (160-59230-9) and MW-53 (160-59230-10). The collection date used was on the containers labels. Samplers name is not on the COC.

**Method 903.0 - Radium-226 (GFPC)**
Samples MW-06 (160-59230-1), MW-09 (160-59230-2), MW-16 (160-59230-3), MW-47 (160-59230-4), MW-48 (160-59230-5), MW-48 (160-59230-5MS), MW-48 (160-59230-5MSD), MW-49 (160-59230-6), MW-50 (160-59230-7), MW-51 (160-59230-8), MW-52 (160-59230-9) and MW-53 (160-59230-10) were analyzed for Radium-226 (GFPC). The samples were prepared on 8/19/2025 and analyzed on 9/11/2025.

**Method 904.0 - Radium-228 (GFPC)**
Samples MW-06 (160-59230-1), MW-09 (160-59230-2), MW-16 (160-59230-3), MW-47 (160-59230-4), MW-48 (160-59230-5), MW-48 (160-59230-5MS), MW-48 (160-59230-5MSD), MW-49 (160-59230-6), MW-50 (160-59230-7), MW-51 (160-59230-8), MW-52 (160-59230-9) and MW-53 (160-59230-10) were analyzed for Radium-228 (GFPC). The samples were prepared on 8/19/2025 and analyzed on 9/11/2025.

Radium-228 Prep Batch 732653:
The MDC for the following sample(s) is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. (MB 160-732653/1-A)

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. MW-09 (160-59230-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins TestAmerica, St. Louis
13715 Rider Trail North

Earth City, MO 63045-1205
phone 314.298.8566 fax 314.298.8757

# Chain of Custody Record

eurofins | Environment Testing TestAmerica

**Regulatory Program:** ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

| Client Contact | Project Manager: Lori Burris | Site Contact: | Date: | COC No: |
|---|---|---|---|---|
| Your Company Name here TPC | Email: lburris@trcsolutions.com | Lab Contact: | Carrier: | 1 of 4 COCs |
| Address 11767 Katy Fwy | Tel/Fax: 281-798-9346 | | | Sampler: |
| City/State/Zip Houston, TX 77079 | Analysis Turnaround Time | | | For Lab Use Only: |
| (xxx) xxx-xxxx 281-798-9346 Phone | ☐ CALENDAR DAYS ☐ WORKING DAYS | | | Walk-in Client: |
| (xxx) xxx-xxxx FAX | TAT if different from Below ____ | | | Lab Sampling: |
| Project Name: | ☐ 2 weeks | | | Job / SDG No.: |
| Site: | ☐ 1 week | | | |
| P O # | ☐ 2 days | | | |
| | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | RAD 226 | RAD 228 | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-06 | | 1110 | G | W | 2 | | | X | X | |
| MW-09 | | 1235 | | | | | | X | X | |
| MW-16 | | 1300 | | | | | | X | X | |
| MW-47 | | 1200 | | | ↓ | | | X | X | |
| MW-48 | | 1045 | | | 6 | | (Y) | X | X | MS/MSD |
| MW-49 | | 955 | | | 2 | | | X | X | |
| MW-50 | | 1330 | | | | | | X | X | |
| MW-51 | | 1145 | | | | | | X | X | |
| MW-52 | | 1020 | | | | | | X | X | |
| MW-53 | | 1020 | ↓ | ↓ | ↓ | | | X | X | |
| BRH Field Dup | | | | | | | | | | |

160-59230 Chain of Custody

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal** ( A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

**Special Instructions/QC Requirements & Comments:**

IR37 Cf0.0 Cooler ID Temp Cooler ID Temp
53740 3.5 52484 4.1 51933 4.9
Blue 1.6 53799 1.8

| Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: | Corr'd: | Therm ID No.: |
|---|---|---|---|---|
| Relinquished by: Jaryn Sims | Company: HMI | Date/Time: 8/14/25 1135 | Received by: CR 08/14/25 1130 | Company: | Date/Time: |
| Relinquished by: D & | Company: AIS | Date/Time: 8.14.25 1500 | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: CR | Company: ET | Date/Time: 8-14-25 1506 |

RELINQUISHED: Z CR 8-14-25 1700 RECEIVED BY: M. Ramette AUG 15 2025 0830

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-59230-1

**Login Number: 59230**
**List Number: 1**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Samplers name is not on the COC |
| There are no discrepancies between the containers received and the COC. | False | IDs on containers do not match the COC. Logged in per COC. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | False | No date on COC, logged in per container labels. |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-59230-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-59230-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-59230-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 160-59230-1 | MW-06 | Water | 08/13/25 11:10 | 08/15/25 08:30 | Texas |
| 160-59230-2 | MW-09 | Water | 08/13/25 12:35 | 08/15/25 08:30 | Texas |
| 160-59230-3 | MW-16 | Water | 08/13/25 13:00 | 08/15/25 08:30 | Texas |
| 160-59230-4 | MW-47 | Water | 08/13/25 12:00 | 08/15/25 08:30 | Texas |
| 160-59230-5 | MW-48 | Water | 08/13/25 10:45 | 08/15/25 08:30 | Texas |
| 160-59230-6 | MW-49 | Water | 08/13/25 09:55 | 08/15/25 08:30 | Texas |
| 160-59230-7 | MW-50 | Water | 08/13/25 13:30 | 08/15/25 08:30 | Texas |
| 160-59230-8 | MW-51 | Water | 08/13/25 11:45 | 08/15/25 08:30 | Texas |
| 160-59230-9 | MW-52 | Water | 08/13/25 10:20 | 08/15/25 08:30 | Texas |
| 160-59230-10 | MW-53 | Water | 08/13/25 10:20 | 08/15/25 08:30 | Texas |

## Client Sample ID: MW-06

**Lab Sample ID: 160-59230-1**
**Matrix: Water**
**Date Collected: 08/13/25 11:10**
**Date Received: 08/15/25 08:30**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.110 | U | 0.202 | 0.202 | 1.00 | 0.357 | pCi/L | 08/19/25 08:29 | 09/11/25 18:49 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.8* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:49* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.532 | U | 0.510 | 0.513 | 1.00 | 0.815 | pCi/L | 08/19/25 08:46 | 09/11/25 15:57 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.8* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:57* | *1* |
| *Y Carrier* | *86.0* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:57* | *1* |

## Client Sample ID: MW-09

**Lab Sample ID: 160-59230-2**
**Matrix: Water**
**Date Collected: 08/13/25 12:35**
**Date Received: 08/15/25 08:30**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.483** | | 0.322 | 0.325 | 1.00 | 0.440 | pCi/L | 08/19/25 08:29 | 09/11/25 18:49 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.9* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:49* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.0939 | U G | 0.606 | 0.606 | 1.00 | 1.11 | pCi/L | 08/19/25 08:46 | 09/11/25 15:57 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.9* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:57* | *1* |
| *Y Carrier* | *87.9* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:57* | *1* |

## Client Sample ID: MW-16

**Lab Sample ID: 160-59230-3**
**Matrix: Water**
**Date Collected: 08/13/25 13:00**
**Date Received: 08/15/25 08:30**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.173 | U | 0.221 | 0.222 | 1.00 | 0.368 | pCi/L | 08/19/25 08:29 | 09/11/25 18:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.2* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:50* | *1* |

## Client Sample ID: MW-16

**Date Collected: 08/13/25 13:00**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-3**
**Matrix: Water**

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.500 | U | 0.377 | 0.380 | 1.00 | 0.580 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.2* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |
| *Y Carrier* | *86.7* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |

## Client Sample ID: MW-47

**Date Collected: 08/13/25 12:00**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-4**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.416** | | 0.230 | 0.233 | 1.00 | 0.277 | pCi/L | 08/19/25 08:29 | 09/11/25 18:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:50* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.382 | U | 0.297 | 0.299 | 1.00 | 0.456 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |
| *Y Carrier* | *91.6* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |

## Client Sample ID: MW-48

**Date Collected: 08/13/25 10:45**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-5**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.450** | | 0.285 | 0.288 | 1.00 | 0.399 | pCi/L | 08/19/25 08:29 | 09/11/25 18:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.8* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:56* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.581** | | 0.346 | 0.350 | 1.00 | 0.493 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.8* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |

## Client Sample ID: MW-48

**Date Collected: 08/13/25 10:45**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-5**
**Matrix: Water**

### Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Y Carrier | 81.5 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

## Client Sample ID: MW-49

**Date Collected: 08/13/25 09:55**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-6**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.724** | | 0.297 | 0.304 | 1.00 | 0.311 | pCi/L | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 88.8 | | 30 - 110 | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.999** | | 0.455 | 0.464 | 1.00 | 0.618 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 88.8 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 11:56 | 1 |
| Y Carrier | 86.0 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

## Client Sample ID: MW-50

**Date Collected: 08/13/25 13:30**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-7**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.277 | U | 0.230 | 0.231 | 1.00 | 0.341 | pCi/L | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 84.1 | | 30 - 110 | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.525 | U | 0.429 | 0.432 | 1.00 | 0.672 | pCi/L | 08/19/25 08:46 | 09/11/25 11:55 | 1 |

| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 84.1 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 11:55 | 1 |
| Y Carrier | 87.1 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 11:55 | 1 |

## Client Sample ID: MW-51

**Date Collected: 08/13/25 11:45**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-8**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.536 | | 0.272 | 0.277 | 1.00 | 0.338 | pCi/L | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:57* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.469 | U | 0.495 | 0.497 | 1.00 | 0.801 | pCi/L | 08/19/25 08:46 | 09/11/25 15:58 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.2* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:58* | *1* |
| *Y Carrier* | *84.9* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 15:58* | *1* |

## Client Sample ID: MW-52

**Date Collected: 08/13/25 10:20**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-9**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.225 | U | 0.255 | 0.256 | 1.00 | 0.415 | pCi/L | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *75.6* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:57* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.806 | | 0.434 | 0.440 | 1.00 | 0.596 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *75.6* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |
| *Y Carrier* | *87.1* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |

## Client Sample ID: MW-53

**Date Collected: 08/13/25 10:20**
**Date Received: 08/15/25 08:30**

**Lab Sample ID: 160-59230-10**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.180 | U | 0.271 | 0.271 | 1.00 | 0.461 | pCi/L | 08/19/25 08:29 | 09/11/25 18:57 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.8* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:57* | *1* |

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-59230-1

## Client Sample ID: MW-53

**Date Collected: 08/13/25 10:20**
**Date Received: 08/15/25 08:30**

## Lab Sample ID: 160-59230-10

**Matrix: Water**

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.604 | | 0.334 | 0.339 | 1.00 | 0.475 | pCi/L | 08/19/25 08:46 | 09/11/25 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.8* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |
| *Y Carrier* | *107* | | *30 - 110* | *08/19/25 08:46* | *09/11/25 11:56* | *1* |

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-732650/1-A**
**Matrix: Water**
**Analysis Batch: 735578**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 732650**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.1628 | U | 0.178 | 0.179 | 1.00 | 0.284 | pCi/L | 08/19/25 08:29 | 09/11/25 18:48 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *91.0* | | *30 - 110* | *08/19/25 08:29* | *09/11/25 18:48* | *1* |

**Lab Sample ID: LCS 160-732650/2-A**
**Matrix: Water**
**Analysis Batch: 735578**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 732650**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 9.57 | 9.211 | | 1.24 | 1.00 | 0.308 | pCi/L | 96 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *86.6* | | *30 - 110* |

**Lab Sample ID: 160-59230-5 MS**
**Matrix: Water**
**Analysis Batch: 735576**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 732650**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.450 | | 9.54 | 8.277 | | 1.14 | 1.00 | 0.322 | pCi/L | 82 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *90.7* | | *30 - 110* |

**Lab Sample ID: 160-59230-5 MSD**
**Matrix: Water**
**Analysis Batch: 735576**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 732650**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.450 | | 9.77 | 8.390 | | 1.17 | 1.00 | 0.324 | pCi/L | 81 | 60 - 140 | 0.05 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *85.6* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-732653/1-A**
**Matrix: Water**
**Analysis Batch: 735577**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 732653**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.5131 | U G | 0.472 | 0.475 | 1.00 | 1.01 | pCi/L | 08/19/25 08:46 | 09/11/25 15:57 | 1 |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 91.0 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 15:57 | 1 |
| Y Carrier | 77.8 | | 30 - 110 | 08/19/25 08:46 | 09/11/25 15:57 | 1 |

**Lab Sample ID: LCS 160-732653/2-A**
**Matrix: Water**
**Analysis Batch: 735577**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 732653**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.08 | 9.816 | | 1.35 | 1.00 | 0.592 | pCi/L | 108 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 86.6 | | 30 - 110 |
| Y Carrier | 81.5 | | 30 - 110 |

**Lab Sample ID: 160-59230-5 MS**
**Matrix: Water**
**Analysis Batch: 735601**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 732653**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.581 | | 9.05 | 10.57 | | 1.44 | 1.00 | 0.617 | pCi/L | 110 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 90.7 | | 30 - 110 |
| Y Carrier | 84.5 | | 30 - 110 |

**Lab Sample ID: 160-59230-5 MSD**
**Matrix: Water**
**Analysis Batch: 735601**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 732653**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.581 | | 9.26 | 10.66 | | 1.47 | 1.00 | 0.650 | pCi/L | 109 | 60 - 140 | 0.03 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 85.6 | | 30 - 110 |
| Y Carrier | 85.6 | | 30 - 110 |

## Rad

### Prep Batch: 732650

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-59230-1 | MW-06 | Total/NA | Water | PrecSep-21 | |
| 160-59230-2 | MW-09 | Total/NA | Water | PrecSep-21 | |
| 160-59230-3 | MW-16 | Total/NA | Water | PrecSep-21 | |
| 160-59230-4 | MW-47 | Total/NA | Water | PrecSep-21 | |
| 160-59230-5 | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-59230-6 | MW-49 | Total/NA | Water | PrecSep-21 | |
| 160-59230-7 | MW-50 | Total/NA | Water | PrecSep-21 | |
| 160-59230-8 | MW-51 | Total/NA | Water | PrecSep-21 | |
| 160-59230-9 | MW-52 | Total/NA | Water | PrecSep-21 | |
| 160-59230-10 | MW-53 | Total/NA | Water | PrecSep-21 | |
| MB 160-732650/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-732650/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 160-59230-5 MS | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-59230-5 MSD | MW-48 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 732653

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-59230-1 | MW-06 | Total/NA | Water | PrecSep_0 | |
| 160-59230-2 | MW-09 | Total/NA | Water | PrecSep_0 | |
| 160-59230-3 | MW-16 | Total/NA | Water | PrecSep_0 | |
| 160-59230-4 | MW-47 | Total/NA | Water | PrecSep_0 | |
| 160-59230-5 | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-59230-6 | MW-49 | Total/NA | Water | PrecSep_0 | |
| 160-59230-7 | MW-50 | Total/NA | Water | PrecSep_0 | |
| 160-59230-8 | MW-51 | Total/NA | Water | PrecSep_0 | |
| 160-59230-9 | MW-52 | Total/NA | Water | PrecSep_0 | |
| 160-59230-10 | MW-53 | Total/NA | Water | PrecSep_0 | |
| MB 160-732653/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-732653/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 160-59230-5 MS | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-59230-5 MSD | MW-48 | Total/NA | Water | PrecSep_0 | |

# Tracer/Carrier Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-59230-1

## Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) |
|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) |
| 160-59230-1 | MW-06 | 86.8 |
| 160-59230-2 | MW-09 | 83.9 |
| 160-59230-3 | MW-16 | 81.2 |
| 160-59230-4 | MW-47 | 91.2 |
| 160-59230-5 | MW-48 | 88.8 |
| 160-59230-5 MS | MW-48 | 90.7 |
| 160-59230-5 MSD | MW-48 | 85.6 |
| 160-59230-6 | MW-49 | 88.8 |
| 160-59230-7 | MW-50 | 84.1 |
| 160-59230-8 | MW-51 | 91.2 |
| 160-59230-9 | MW-52 | 75.6 |
| 160-59230-10 | MW-53 | 85.8 |
| LCS 160-732650/2-A | Lab Control Sample | 86.6 |
| MB 160-732650/1-A | Method Blank | 91.0 |

**Tracer/Carrier Legend**

Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) |
| 160-59230-1 | MW-06 | 86.8 | 86.0 |
| 160-59230-2 | MW-09 | 83.9 | 87.9 |
| 160-59230-3 | MW-16 | 81.2 | 86.7 |
| 160-59230-4 | MW-47 | 91.2 | 91.6 |
| 160-59230-5 | MW-48 | 88.8 | 81.5 |
| 160-59230-5 MS | MW-48 | 90.7 | 84.5 |
| 160-59230-5 MSD | MW-48 | 85.6 | 85.6 |
| 160-59230-6 | MW-49 | 88.8 | 86.0 |
| 160-59230-7 | MW-50 | 84.1 | 87.1 |
| 160-59230-8 | MW-51 | 91.2 | 84.9 |
| 160-59230-9 | MW-52 | 75.6 | 87.1 |
| 160-59230-10 | MW-53 | 85.8 | 107 |
| LCS 160-732653/2-A | Lab Control Sample | 86.6 | 81.5 |
| MB 160-732653/1-A | Method Blank | 91.0 | 77.8 |

**Tracer/Carrier Legend**

Ba = Ba Carrier

Y = Y Carrier

eurofins | Environment Testing

1 2 3 4 5 6 7 8

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 12/5/2025 3:22:04 PM

## JOB DESCRIPTION

NRG Limestone Ra 226/228 combined calc

## JOB NUMBER

160-59230-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
12/5/2025 3:22:04 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Receipt Checklists . . . . . 5
Definitions/Glossary . . . . . 6
Method Summary . . . . . 7
Sample Summary . . . . . 8
Client Sample Results . . . . . 9

## Job ID: 160-59230-2 Eurofins St. Louis

**Job Narrative**
**160-59230-2**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

**Receipt**
The samples were received on 8/15/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.1°C and 2.7°C.

**Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228**
Samples MW-06 (160-59230-1), MW-09 (160-59230-2), MW-16 (160-59230-3), MW-47 (160-59230-4), MW-48 (160-59230-5), MW-49 (160-59230-6), MW-50 (160-59230-7), MW-51 (160-59230-8), MW-52 (160-59230-9) and MW-53 (160-59230-10) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/4/2025.

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-59230-2

**Login Number: 59230**
**List Number: 1**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Samplers name is not on the COC |
| There are no discrepancies between the containers received and the COC. | False | IDs on containers do not match the COC. Logged in per COC. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | False | No date on COC, logged in per container labels. |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

# Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 160-59230-2
Project/Site: NRG Limestone Ra 226/228 combined calc

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Job ID: 160-59230-2
Project/Site: NRG Limestone Ra 226/228 combined calc

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| Ra226_Ra228 Pos | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |

**Protocol References:**

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Job ID: 160-59230-2
Project/Site: NRG Limestone Ra 226/228 combined calc

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 160-59230-1 | MW-06 | Water | 08/13/25 11:10 | 08/15/25 08:30 | Texas |
| 160-59230-2 | MW-09 | Water | 08/13/25 12:35 | 08/15/25 08:30 | Texas |
| 160-59230-3 | MW-16 | Water | 08/13/25 13:00 | 08/15/25 08:30 | Texas |
| 160-59230-4 | MW-47 | Water | 08/13/25 12:00 | 08/15/25 08:30 | Texas |
| 160-59230-5 | MW-48 | Water | 08/13/25 10:45 | 08/15/25 08:30 | Texas |
| 160-59230-6 | MW-49 | Water | 08/13/25 09:55 | 08/15/25 08:30 | Texas |
| 160-59230-7 | MW-50 | Water | 08/13/25 13:30 | 08/15/25 08:30 | Texas |
| 160-59230-8 | MW-51 | Water | 08/13/25 11:45 | 08/15/25 08:30 | Texas |
| 160-59230-9 | MW-52 | Water | 08/13/25 10:20 | 08/15/25 08:30 | Texas |
| 160-59230-10 | MW-53 | Water | 08/13/25 10:20 | 08/15/25 08:30 | Texas |

# Client Sample Results

Client: TRC Solutions, Inc. Job ID: 160-59230-2
Project/Site: NRG Limestone Ra 226/228 combined calc

## Client Sample ID: MW-06 — Lab Sample ID: 160-59230-1
**Date Collected: 08/13/25 11:10** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.641 | U | 0.549 | 0.551 | 5.00 | 0.815 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-09 — Lab Sample ID: 160-59230-2
**Date Collected: 08/13/25 12:35** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.577 | U | 0.686 | 0.688 | 5.00 | 1.11 | pCi/L | | 12/04/25 15:31 | 1 |

## Client Sample ID: MW-16 — Lab Sample ID: 160-59230-3
**Date Collected: 08/13/25 13:00** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.672** | | 0.437 | 0.440 | 5.00 | 0.580 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-47 — Lab Sample ID: 160-59230-4
**Date Collected: 08/13/25 12:00** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.798** | | 0.376 | 0.379 | 5.00 | 0.456 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-48 — Lab Sample ID: 160-59230-5
**Date Collected: 08/13/25 10:45** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.03** | | 0.448 | 0.453 | 5.00 | 0.493 | pCi/L | | 12/04/25 15:34 | 1 |

# Client Sample Results

Client: TRC Solutions, Inc. Job ID: 160-59230-2
Project/Site: NRG Limestone Ra 226/228 combined calc

## Client Sample ID: MW-49 — Lab Sample ID: 160-59230-6
**Date Collected: 08/13/25 09:55** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.72 | | 0.543 | 0.555 | 5.00 | 0.618 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-50 — Lab Sample ID: 160-59230-7
**Date Collected: 08/13/25 13:30** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.802 | | 0.487 | 0.490 | 5.00 | 0.672 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-51 — Lab Sample ID: 160-59230-8
**Date Collected: 08/13/25 11:45** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.00 | | 0.565 | 0.569 | 5.00 | 0.801 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-52 — Lab Sample ID: 160-59230-9
**Date Collected: 08/13/25 10:20** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.03 | | 0.503 | 0.509 | 5.00 | 0.596 | pCi/L | | 12/04/25 15:34 | 1 |

## Client Sample ID: MW-53 — Lab Sample ID: 160-59230-10
**Date Collected: 08/13/25 10:20** — **Matrix: Water**
**Date Received: 08/15/25 08:30**

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.784 | | 0.430 | 0.434 | 5.00 | 0.475 | pCi/L | | 12/04/25 15:34 | 1 |

# Appendix D

# Quarterly Background Data (November 2025)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 05, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25110797**

Laboratory Results for: **NRG Limestone CCR Program**

Dear Lori Burris,

ALS Environmental received 11 sample(s) on Nov 18, 2025 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

**Generated By: DAYNA.FISHER**
Andy C. Neir
Project Manager

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone CCR Program | |
| **WorkOrder:** | **HS25110797** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone CCR Program | |
| **WorkOrder:** | **HS25110797** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 12/05/2025 | | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25110797 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 236049,236051,R526738,R526889,R527030 | | | | | |
| #[1] | A[2] | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **R1** | OI | **Chain-of-custody (C-O-C)** | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | |
| **R2** | OI | **Sample and quality control (QC) identification** | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | |
| **R3** | OI | **Test reports** | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | |
| | | If required for the project, TICs reported? | | | X | | |
| **R4** | O | **Surrogate recovery data** | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | OI | **Test reports/summary forms for blank samples** | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | Were blank concentrations < MQL? | X | | | | |
| **R6** | OI | **Laboratory control samples (LCS):** | | | | | |
| | | Were all COCs included in the LCS? | X | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | | X | | | 1 |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | OI | **Analytical duplicate data** | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | OI | **Method quantitation limits (MQLs):** | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | |
| **R10** | OI | **Other problems/anomalies** | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 2 |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 12/05/2025 | | | | |
| Project Name: NRG Limestone CCR Program | | | Laboratory Job Number: HS25110797 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 236049,236051,R526738,R526889,R527030 | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 3 |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | | |
|---|---|---|
| Laboratory Name: ALS Laboratory Group | | LRC Date: 12/05/2025 |
| Project Name: NRG Limestone CCR Program | | Laboratory Number: HS25110797 |
| Reviewer Name: Andy Neir | | Prep Batch Number(s): 236049,236051,R526738,R526889,R527030 |
| **ER#[5]** | **Description** | |
| 1 | Batch 236051, Metals Method SW6020, sample MW-48, MSD recovered outside the control limit for Calcium | |
| 2 | Revision I: Revised final on 12/5/2025, ALS Holland, MI data revised to correct QC batches.<br><br>The analysis for Fluoride was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report | |
| **3** | See Run Log and CCB Exceptions Report. | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797
Start Date: 25-Nov-2025 End Date: 26-Nov-2025

Run ID:ICPMS07_527106
Instrument:ICPMS07
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| LLICV5 | 1 | 25-Nov-2025 09:36 | 032LCV5.d | B CA |
| LLICV2 | 1 | 25-Nov-2025 09:39 | 033LCV2.d | B CA |
| ICV | 1 | 25-Nov-2025 09:41 | 034_ICV.d | B CA |
| ICB | 1 | 25-Nov-2025 09:43 | 035_ICB.d | B CA |
| ICSA | 1 | 25-Nov-2025 09:48 | 037ICSA.d | B CA |
| ICSAB | 1 | 25-Nov-2025 09:51 | 038ICSB.d | B CA |
| CCV 1 | 1 | 25-Nov-2025 09:58 | 041_CCV.d | B CA |
| CCB 1 | 1 | 25-Nov-2025 10:01 | 042_CCB.d | B CA |
| CCV 2 | 1 | 25-Nov-2025 10:27 | 053_CCV.d | B CA |
| CCB 2 | 1 | 25-Nov-2025 10:29 | 054_CCB.d | B CA |
| CCV 3 | 1 | 25-Nov-2025 10:55 | 065_CCV.d | B CA |
| CCB 3 | 1 | 25-Nov-2025 10:57 | 066_CCB.d | B CA |
| CCV 4 | 1 | 25-Nov-2025 11:24 | 077_CCV.d | B CA |
| CCB 4 | 1 | 25-Nov-2025 11:26 | 078_CCB.d | B CA |
| CCV 5 | 1 | 25-Nov-2025 11:52 | 089_CCV.d | B CA |
| CCB 5 | 1 | 25-Nov-2025 11:54 | 090_CCB.d | B CA |
| CCV 6 | 1 | 25-Nov-2025 12:20 | 101_CCV.d | B CA |
| CCB 6 | 1 | 25-Nov-2025 12:22 | 102_CCB.d | B CA |
| CCV 7 | 1 | 25-Nov-2025 12:48 | 113_CCV.d | B CA |
| CCB 7 | 1 | 25-Nov-2025 12:50 | 114_CCB.d | B CA |
| CCV 8 | 1 | 25-Nov-2025 13:16 | 125_CCV.d | B CA |
| CCB 8 | 1 | 25-Nov-2025 13:18 | 126_CCB.d | B CA |
| CCV 9 | 1 | 25-Nov-2025 13:21 | 127_CCV.d | B CA |
| CCB 9 | 1 | 25-Nov-2025 13:24 | 128_CCB.d | B CA |
| CCV 10 | 1 | 25-Nov-2025 13:49 | 139_CCV.d | B CA |
| CCB 10 | 1 | 25-Nov-2025 13:52 | 140_CCB.d | B CA |
| CCV 11 | 1 | 25-Nov-2025 14:18 | 151_CCV.d | B CA |
| CCB 11 | 1 | 25-Nov-2025 14:20 | 152_CCB.d | B CA |
| CCV 12 | 1 | 25-Nov-2025 14:47 | 163_CCV.d | B CA |
| CCB 12 | 1 | 25-Nov-2025 14:49 | 164_CCB.d | B CA |
| CCV 13 | 1 | 25-Nov-2025 15:17 | 175_CCV.d | B CA |
| CCB 13 | 1 | 25-Nov-2025 15:19 | 176_CCB.d | B CA |
| CCV 14 | 1 | 25-Nov-2025 15:32 | 178_CCV.d | B CA |
| CCB 14 | 1 | 25-Nov-2025 15:34 | 179_CCB.d | B CA |
| CCV 15 | 1 | 25-Nov-2025 16:01 | 190_CCV.d | B CA |
| CCB 15 | 1 | 25-Nov-2025 16:03 | 191_CCB.d | B CA |
| CCV 16 | 1 | 25-Nov-2025 16:30 | 202_CCV.d | B CA |
| CCB 16 | 1 | 25-Nov-2025 16:32 | 203_CCB.d | B CA |
| CCV 17 | 1 | 25-Nov-2025 16:37 | 205_CCV.d | B CA |
| CCB 17 | 1 | 25-Nov-2025 16:39 | 206_CCB.d | B CA |
| CCV 18 | 1 | 25-Nov-2025 17:06 | 217_CCV.d | B CA |
| CCB 18 | 1 | 25-Nov-2025 17:08 | 218_CCB.d | B CA |
| CCV 19 | 1 | 25-Nov-2025 17:45 | 230_CCV.d | B CA |
| CCB 19 | 1 | 25-Nov-2025 17:47 | 231_CCB.d | B CA |
| CCV 20 | 1 | 25-Nov-2025 18:09 | 238_CCV.d | B CA |
| CCB 20 | 1 | 25-Nov-2025 18:11 | 239_CCB.d | B CA |
| CCV 21 | 1 | 25-Nov-2025 18:38 | 250_CCV.d | B CA |
| CCB 21 | 1 | 25-Nov-2025 18:40 | 251_CCB.d | B CA |
| CCV 22 | 1 | 25-Nov-2025 19:08 | 262_CCV.d | B CA |
| CCB 22 | 1 | 25-Nov-2025 19:10 | 263_CCB.d | B CA |

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797
Start Date: 25-Nov-2025 End Date: 26-Nov-2025

Run ID:ICPMS07_527106
Instrument:ICPMS07
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| CCV 23 | 1 | 25-Nov-2025 19:24 | 269_CCV.d | B CA |
| CCB 23 | 1 | 25-Nov-2025 19:26 | 270_CCB.d | B CA |
| MBLK-236051 | 1 | 25-Nov-2025 19:29 | 271SMPL.d | B CA |
| LCS-236051 | 1 | 25-Nov-2025 19:31 | 272SMPL.d | B CA |
| MW-48SD | 5 | 25-Nov-2025 19:34 | 273SMPL.d | B CA |
| MW-48 | 1 | 25-Nov-2025 19:38 | 275SMPL.d | B CA |
| MW-48MS | 1 | 25-Nov-2025 19:41 | 276SMPL.d | B CA |
| MW-48MSD | 1 | 25-Nov-2025 19:43 | 277SMPL.d | B CA |
| MW-48PDS | 1 | 25-Nov-2025 19:46 | 278SMPL.d | B CA |
| CCV 24 | 1 | 25-Nov-2025 19:53 | 281_CCV.d | B CA |
| CCB 24 | 1 | 25-Nov-2025 19:55 | 282_CCB.d | B CA |
| MW-52 | 1 | 25-Nov-2025 19:57 | 283SMPL.d | B CA |
| MW-53 | 1 | 25-Nov-2025 20:00 | 284SMPL.d | B CA |
| Field Dup | 1 | 25-Nov-2025 20:02 | 285SMPL.d | B CA |
| CCV 25 | 1 | 25-Nov-2025 20:29 | 293_CCV.d | B CA |
| CCB 25 | 1 | 25-Nov-2025 20:31 | 294_CCB.d | B CA |
| CCV 26 | 1 | 25-Nov-2025 20:59 | 305_CCV.d | B CA |
| CCB 26 | 1 | 25-Nov-2025 21:02 | 306_CCB.d | B CA |
| LCS-236051 | 1 | 25-Nov-2025 21:04 | 307SMPL.d | |
| CCV 27 | 1 | 25-Nov-2025 21:32 | 317_CCV.d | B CA |
| CCB 27 | 1 | 25-Nov-2025 21:35 | 318_CCB.d | B CA |
| CCV 28 | 1 | 25-Nov-2025 22:03 | 329_CCV.d | B CA |
| CCB 28 | 1 | 25-Nov-2025 22:06 | 330_CCB.d | B CA |
| CCV 29 | 1 | 25-Nov-2025 22:31 | 341_CCV.d | B CA |
| CCB 29 | 1 | 25-Nov-2025 22:34 | 342_CCB.d | B CA |
| CCV 30 | 1 | 25-Nov-2025 22:57 | 352_CCV.d | B CA |
| CCB 30 | 1 | 25-Nov-2025 22:59 | 353_CCB.d | B CA |
| ICCV 31 | 1 | 25-Nov-2025 23:32 | 367_ICV.d | B CA |
| LLCCV2 | 1 | 25-Nov-2025 23:36 | 369LCV2.d | B CA |
| LLCCV5 | 1 | 25-Nov-2025 23:39 | 370LCV5.d | B CA |
| ICCB 31 | 1 | 25-Nov-2025 23:41 | 371_ICB.d | B CA |
| CCV 32 | 1 | 25-Nov-2025 23:46 | 373_CCV.d | B CA |
| CCB 32 | 1 | 25-Nov-2025 23:48 | 374_CCB.d | B CA |
| CCV 33 | 1 | 26-Nov-2025 00:14 | 385_CCV.d | B CA |
| CCB 33 | 1 | 26-Nov-2025 00:16 | 386_CCB.d | B CA |
| CCV 34 | 1 | 26-Nov-2025 00:42 | 397_CCV.d | B CA |
| CCB 34 | 1 | 26-Nov-2025 00:44 | 398_CCB.d | B CA |
| CCV 35 | 1 | 26-Nov-2025 01:08 | 408_CCV.d | B CA |
| CCB 35 | 1 | 26-Nov-2025 01:10 | 409_CCB.d | B CA |
| CCV 36 | 1 | 26-Nov-2025 01:15 | 411_CCV.d | B CA |
| CCB 36 | 1 | 26-Nov-2025 01:17 | 412_CCB.d | B CA |
| LLCCV2 | 1 | 26-Nov-2025 01:22 | 414LCV2.d | B CA |
| LLCCV5 | 1 | 26-Nov-2025 01:24 | 415LCV5.d | B CA |
| ICSA | 1 | 26-Nov-2025 01:29 | 417ICSA.d | B CA |
| ICSAB | 1 | 26-Nov-2025 01:32 | 418ICSB.d | B CA |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

Run ID:ICPMS07_527106
Instrument:ICPMS07
Method:SW6020A

| CCB 11 | Date: 25-Nov-2025 14:20 | Seq: 9163757 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.525 | 8 | 50 | |

| CCB 12 | Date: 25-Nov-2025 14:49 | Seq: 9163831 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 15.96 | 8 | 50 | |

| CCB 13 | Date: 25-Nov-2025 15:19 | Seq: 9164000 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 19.1 | 8 | 50 | |

| CCB 14 | Date: 25-Nov-2025 15:34 | Seq: 9164003 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 13.97 | 8 | 50 | |

| CCB 15 | Date: 25-Nov-2025 16:03 | Seq: 9164171 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 11.9 | 8 | 50 | |

| CCB 16 | Date: 25-Nov-2025 16:32 | Seq: 9164183 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.773 | 8 | 50 | |

| CCB 17 | Date: 25-Nov-2025 16:39 | Seq: 9164186 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.37 | 8 | 50 | |

| CCB 19 | Date: 25-Nov-2025 17:47 | Seq: 9164350 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.353 | 8 | 50 | |

| CCB 20 | Date: 25-Nov-2025 18:11 | Seq: 9164420 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 8.439 | 8 | 50 | |

| CCB 21 | Date: 25-Nov-2025 18:40 | Seq: 9164432 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.702 | 8 | 50 | |

| CCB 22 | Date: 25-Nov-2025 19:10 | Seq: 9164444 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.555 | 8 | 50 | |

| CCB 25 | Date: 25-Nov-2025 20:31 | Seq: 9164480 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 8.405 | 8 | 50 | |

| CCB 26 | Date: 25-Nov-2025 21:02 | Seq: 9164492 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Boron | 9.301 | 8 | 50 | |

| CCB 27 | Date: 25-Nov-2025 21:35 | Seq: 9164504 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |

## CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

Run ID:ICPMS07_527106
Instrument:ICPMS07
Method:SW6020A

| | | | | | |
|---|---|---|---|---|---|
| | Boron | 10.54 | 8 | 50 | |
| CCB 28 | Date: 25-Nov-2025 22:06 | Seq: 9164527 | D/F: 1 | | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Boron | 16.25 | 8 | 50 | |
| CCB 29 | Date: 25-Nov-2025 22:34 | Seq: 9164539 | D/F: 1 | | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Boron | 10.53 | 8 | 50 | |
| CCB 32 | Date: 25-Nov-2025 23:48 | Seq: 9164755 | D/F: 1 | | Units: ug/L |
| | **Analyte** | **Result** | **MDL** | **Report Limit** | |
| | Boron | 9.038 | 8 | 50 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**Work Order:** HS25110797

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25110797-01 | MW-06 | Water | | 17-Nov-2025 11:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-02 | MW-09 | Water | | 17-Nov-2025 13:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-03 | MW-16 | Water | | 17-Nov-2025 09:20 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-04 | MW-47 | Water | | 17-Nov-2025 12:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-05 | MW-48 | Water | | 17-Nov-2025 09:15 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-06 | MW-49 | Water | | 17-Nov-2025 10:35 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-07 | MW-50 | Water | | 17-Nov-2025 11:25 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-08 | MW-51 | Water | | 17-Nov-2025 12:15 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-09 | MW-52 | Water | | 17-Nov-2025 13:05 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-10 | MW-53 | Water | | 17-Nov-2025 10:10 | 18-Nov-2025 11:21 | ☐ |
| HS25110797-11 | Field Dup | Water | | 17-Nov-2025 10:00 | 18-Nov-2025 11:21 | ☐ |

**Client:** TRC **CASE NARRATIVE**
**Project:** NRG Limestone CCR Program
**Work Order:** HS25110797

**Work Order Comments**

• Revised final on 12/5/2025, ALS Holland, MI data revised to correct QC batches.

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-06
Collection Date: 17-Nov-2025 11:00

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0743** | | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 17:23 |
| **Calcium** | **45.3** | | **0.120** | **0.500** | **mg/L** | 1 | 01-Dec-2025 17:23 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **70.8** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 13:23 |
| **Sulfate** | **25.0** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 13:23 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **478** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-09
Collection Date: 17-Nov-2025 13:00

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0398** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:03 |
| **Calcium** | **64.3** | | **0.120** | **0.500** | **mg/L** | 1 | 01-Dec-2025 18:03 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **381** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:16 |
| **Sulfate** | **39.1** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 14:04 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **968** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-16
Collection Date: 17-Nov-2025 09:20

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0447** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:05 |
| **Calcium** | **2.77** | | **0.120** | **0.500** | **mg/L** | 1 | 01-Dec-2025 18:05 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **4.12** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 13:34 |
| **Sulfate** | **9.28** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 13:34 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **210** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-47
Collection Date: 17-Nov-2025 12:00

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0216** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:08 |
| **Calcium** | **44.9** | | **0.120** | **0.500** | **mg/L** | 1 | 01-Dec-2025 18:08 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **151** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:21 |
| **Sulfate** | **33.2** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 14:10 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **722** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-48
Collection Date: 17-Nov-2025 09:15

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: MSC |
| **Boron** | **0.0229** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 25-Nov-2025 19:38 |
| **Calcium** | **14.8** | | **0.120** | **0.500** | **mg/L** | 1 | 25-Nov-2025 19:38 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **60.7** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 14:27 |
| **Sulfate** | **65.5** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 14:27 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **426** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-49
Collection Date: 17-Nov-2025 10:35

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0449** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:10 |
| **Calcium** | **89.6** | | **0.120** | **0.500** | **mg/L** | 1 | 01-Dec-2025 18:10 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **200** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:45 |
| **Sulfate** | **68.8** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:45 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **898** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-50
Collection Date: 17-Nov-2025 11:25

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.656** | | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:12 |
| **Calcium** | **357** | | **2.40** | **10.0** | **mg/L** | 20 | 01-Dec-2025 18:23 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **109** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Nov-2025 14:51 |
| **Sulfate** | **1,430** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Nov-2025 14:51 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **2,380** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-51
Collection Date: 17-Nov-2025 12:15

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| **Boron** | **0.0260** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 01-Dec-2025 18:14 |
| **Calcium** | **251** | | **2.40** | **10.0** | **mg/L** | 20 | 01-Dec-2025 18:25 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **769** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Nov-2025 15:38 |
| **Sulfate** | **106** | | **4.00** | **10.0** | **mg/L** | 20 | 19-Nov-2025 15:38 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **3,380** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-52
Collection Date: 17-Nov-2025 13:05

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: MSC |
| **Boron** | **0.173** | | **0.00800** | **0.0500** | **mg/L** | 1 | 25-Nov-2025 19:57 |
| **Calcium** | **177** | | **0.120** | **0.500** | **mg/L** | 1 | 25-Nov-2025 19:57 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **261** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:57 |
| **Sulfate** | **459** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 14:57 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **1,650** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: MW-53
Collection Date: 17-Nov-2025 10:10

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: MSC |
| **Boron** | **0.585** | | **0.00800** | **0.0500** | **mg/L** | 1 | 25-Nov-2025 20:00 |
| **Calcium** | **97.4** | | **0.120** | **0.500** | **mg/L** | 1 | 25-Nov-2025 20:00 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **179** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 15:44 |
| **Sulfate** | **305** | | **2.00** | **5.00** | **mg/L** | 10 | 19-Nov-2025 15:44 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **1,300** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone CCR Program
Sample ID: Field Dup
Collection Date: 17-Nov-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25110797
Lab ID:HS25110797-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: MSC |
| **Boron** | **0.0281** | J | **0.00800** | **0.0500** | **mg/L** | 1 | 25-Nov-2025 20:02 |
| **Calcium** | **41.9** | | **0.120** | **0.500** | **mg/L** | 1 | 25-Nov-2025 20:02 |
| **ANIONS BY E300.0, REV 2.1, 1993** | | **Method:E300** | | | | | Analyst: TH |
| **Chloride** | **151** | | **1.00** | **2.50** | **mg/L** | 5 | 19-Nov-2025 15:55 |
| **Sulfate** | **33.4** | | **0.200** | **0.500** | **mg/L** | 1 | 19-Nov-2025 15:49 |
| **TOTAL DISSOLVED SOLIDS BY SM2540C** | | **Method:M2540C** | | | | | Analyst: MC |
| **Total Dissolved Solids (Residue, Filterable)** | **784** | | **3.00** | **10.0** | **mg/L** | 1 | 21-Nov-2025 07:40 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**Batch ID:** 236049 **Start Date:** 25 Nov 2025 09:00 **End Date:** 25 Nov 2025 09:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25110797-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 236051 **Start Date:** 25 Nov 2025 09:00 **End Date:** 25 Nov 2025 09:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25110797-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110797-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 236049 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25110797-01 | MW-06 | 17 Nov 2025 11:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:23 | 1 |
| HS25110797-02 | MW-09 | 17 Nov 2025 13:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:03 | 1 |
| HS25110797-03 | MW-16 | 17 Nov 2025 09:20 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:05 | 1 |
| HS25110797-04 | MW-47 | 17 Nov 2025 12:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:08 | 1 |
| HS25110797-06 | MW-49 | 17 Nov 2025 10:35 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:10 | 1 |
| HS25110797-07 | MW-50 | 17 Nov 2025 11:25 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:23 | 20 |
| HS25110797-07 | MW-50 | 17 Nov 2025 11:25 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:12 | 1 |
| HS25110797-08 | MW-51 | 17 Nov 2025 12:15 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:25 | 20 |
| HS25110797-08 | MW-51 | 17 Nov 2025 12:15 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:14 | 1 |
| **Batch ID:** 236051 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25110797-05 | MW-48 | 17 Nov 2025 09:15 | | 25 Nov 2025 09:00 | 25 Nov 2025 19:38 | 1 |
| HS25110797-09 | MW-52 | 17 Nov 2025 13:05 | | 25 Nov 2025 09:00 | 25 Nov 2025 19:57 | 1 |
| HS25110797-10 | MW-53 | 17 Nov 2025 10:10 | | 25 Nov 2025 09:00 | 25 Nov 2025 20:00 | 1 |
| HS25110797-11 | Field Dup | 17 Nov 2025 10:00 | | 25 Nov 2025 09:00 | 25 Nov 2025 20:02 | 1 |
| **Batch ID:** R526738 ( 0 ) | **Test Name :** ANIONS BY E300.0, REV 2.1, 1993 | | | | **Matrix:** Water | |
| HS25110797-01 | MW-06 | 17 Nov 2025 11:00 | | | 19 Nov 2025 13:23 | 1 |
| HS25110797-02 | MW-09 | 17 Nov 2025 13:00 | | | 19 Nov 2025 14:16 | 10 |
| HS25110797-02 | MW-09 | 17 Nov 2025 13:00 | | | 19 Nov 2025 14:04 | 1 |
| HS25110797-03 | MW-16 | 17 Nov 2025 09:20 | | | 19 Nov 2025 13:34 | 1 |
| HS25110797-04 | MW-47 | 17 Nov 2025 12:00 | | | 19 Nov 2025 14:21 | 10 |
| HS25110797-04 | MW-47 | 17 Nov 2025 12:00 | | | 19 Nov 2025 14:10 | 1 |
| HS25110797-05 | MW-48 | 17 Nov 2025 09:15 | | | 19 Nov 2025 14:27 | 1 |
| HS25110797-06 | MW-49 | 17 Nov 2025 10:35 | | | 19 Nov 2025 14:45 | 10 |
| HS25110797-07 | MW-50 | 17 Nov 2025 11:25 | | | 19 Nov 2025 14:51 | 20 |
| HS25110797-08 | MW-51 | 17 Nov 2025 12:15 | | | 19 Nov 2025 15:38 | 20 |
| HS25110797-09 | MW-52 | 17 Nov 2025 13:05 | | | 19 Nov 2025 14:57 | 10 |
| HS25110797-10 | MW-53 | 17 Nov 2025 10:10 | | | 19 Nov 2025 15:44 | 10 |
| HS25110797-11 | Field Dup | 17 Nov 2025 10:00 | | | 19 Nov 2025 15:55 | 5 |
| HS25110797-11 | Field Dup | 17 Nov 2025 10:00 | | | 19 Nov 2025 15:49 | 1 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** R526889 ( 0 ) | **Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C | | | | **Matrix:** Water | |
| HS25110797-01 | MW-06 | 17 Nov 2025 11:00 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-02 | MW-09 | 17 Nov 2025 13:00 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-03 | MW-16 | 17 Nov 2025 09:20 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-04 | MW-47 | 17 Nov 2025 12:00 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-05 | MW-48 | 17 Nov 2025 09:15 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-06 | MW-49 | 17 Nov 2025 10:35 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-07 | MW-50 | 17 Nov 2025 11:25 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-08 | MW-51 | 17 Nov 2025 12:15 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-09 | MW-52 | 17 Nov 2025 13:05 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-10 | MW-53 | 17 Nov 2025 10:10 | | | 21 Nov 2025 07:40 | 1 |
| HS25110797-11 | Field Dup | 17 Nov 2025 10:00 | | | 21 Nov 2025 07:40 | 1 |
| **Batch ID:** R527030 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25110797-01 | MW-06 | 17 Nov 2025 11:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-02 | MW-09 | 17 Nov 2025 13:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-03 | MW-16 | 17 Nov 2025 09:20 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-04 | MW-47 | 17 Nov 2025 12:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-05 | MW-48 | 17 Nov 2025 09:15 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-06 | MW-49 | 17 Nov 2025 10:35 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-07 | MW-50 | 17 Nov 2025 11:25 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-08 | MW-51 | 17 Nov 2025 12:15 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-09 | MW-52 | 17 Nov 2025 13:05 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-10 | MW-53 | 17 Nov 2025 10:10 | | | 24 Nov 2025 12:56 | 1 |
| HS25110797-11 | Field Dup | 17 Nov 2025 10:00 | | | 24 Nov 2025 12:56 | 1 |

WorkOrder: HS25110797
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0250 | 0.0239 | 0.00800 | 0.0500 |
| A | Calcium | 7440-70-2 | 0.250 | 0.249 | 0.120 | 0.500 |

WorkOrder: HS25110797
InstrumentID: ICPMS07
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Boron | 7440-42-8 | 0.0250 | 0.0244 | 0.00800 | 0.0500 |
| A | Calcium | 7440-70-2 | 0.250 | 0.257 | 0.120 | 0.500 |

WorkOrder: HS25110797
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

WorkOrder: HS25110797
InstrumentID: ICS-04
Test Code: 300_W
Test Number: E300
Test Name: Anions by E300.0, Rev 2.1, 1993

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Chloride | 16887-00-6 | 0.250 | 0.408 | 0.200 | 0.500 |
| A | Sulfate | 14808-79-8 | 0.250 | 0.302 | 0.200 | 0.500 |

WorkOrder: HS25110797
InstrumentID: Balance1
Test Code: TDS_W 2540C
Test Number: M2540C
Test Name: Total Dissolved Solids by SM2540C

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Total Dissolved Solids (Residue, Filterable) | TDS | 6.00 | 6.00 | 3.00 | 10.0 |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID: 236049 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-236049** Units: **mg/L** Analysis Date: **01-Dec-2025 17:05**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169133** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.00800 | 0.0500 | | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-236049** Units: **mg/L** Analysis Date: **01-Dec-2025 17:07**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169134** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4998 | 0.0500 | 0.5 | 0 | 100.0 | 80 - 120 | | | | |
| Calcium | 5.162 | 0.500 | 5 | 0 | 103 | 80 - 120 | | | | |

**MS** Sample ID: **HS25110794-02MS** Units: **mg/L** Analysis Date: **01-Dec-2025 17:17**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169138** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.524 | 0.0500 | 0.5 | 0.02108 | 101 | 80 - 120 | | | | |
| Calcium | 21.83 | 0.500 | 5 | 16.57 | 105 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25110794-02MSD** Units: **mg/L** Analysis Date: **01-Dec-2025 17:19**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169139** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5179 | 0.0500 | 0.5 | 0.02108 | 99.4 | 80 - 120 | 0.524 | 1.18 | 20 | |
| Calcium | 22.17 | 0.500 | 5 | 16.57 | 112 | 80 - 120 | 21.83 | 1.59 | 20 | |

**PDS** Sample ID: **HS25110794-02PDS** Units: **mg/L** Analysis Date: **01-Dec-2025 17:21**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169140** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5318 | 0.0500 | 0.5 | 0.02108 | 102 | 75 - 125 | | | | |
| Calcium | 25.83 | 0.500 | 10 | 16.57 | 92.6 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID: 236049 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25110794-02SD** Units: **mg/L** Analysis Date: **01-Dec-2025 17:09**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169135** PrepDate: **25-Nov-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.0400 | 0.250 | | | | | 0.02108 | 0 | 10 | |
| Calcium | 17.08 | 2.50 | | | | | 16.57 | 3.07 | 10 | |

**The following samples were analyzed in this batch:** HS25110797-01 HS25110797-02 HS25110797-03 HS25110797-04
HS25110797-06 HS25110797-07 HS25110797-08

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID: 236051 ( 0 )** **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-236051** Units: **mg/L** Analysis Date: **25-Nov-2025 19:29**
Client ID: Run ID: **ICPMS07_527106** SeqNo: **9164457** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.00800 | 0.0500 | | | | | | | | |
| Calcium | < 0.120 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS-236051** Units: **mg/L** Analysis Date: **25-Nov-2025 19:31**
Client ID: Run ID: **ICPMS07_527106** SeqNo: **9164458** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4587 | 0.0500 | 0.5 | 0 | 91.7 | 80 - 120 | | | | |
| Calcium | 4.997 | 0.500 | 5 | 0 | 99.9 | 80 - 120 | | | | |

**MS** Sample ID: **HS25110797-05MS** Units: **mg/L** Analysis Date: **25-Nov-2025 19:41**
Client ID: **MW-48** Run ID: **ICPMS07_527106** SeqNo: **9164462** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4944 | 0.0500 | 0.5 | 0.02291 | 94.3 | 80 - 120 | | | | |
| Calcium | 19.82 | 0.500 | 5 | 14.79 | 101 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25110797-05MSD** Units: **mg/L** Analysis Date: **25-Nov-2025 19:43**
Client ID: **MW-48** Run ID: **ICPMS07_527106** SeqNo: **9164463** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.508 | 0.0500 | 0.5 | 0.02291 | 97.0 | 80 - 120 | 0.4944 | 2.7 | 20 | |
| Calcium | 20.88 | 0.500 | 5 | 14.79 | 122 | 80 - 120 | 19.82 | 5.18 | 20 | S |

**PDS** Sample ID: **HS25110797-05PDS** Units: **mg/L** Analysis Date: **25-Nov-2025 19:46**
Client ID: **MW-48** Run ID: **ICPMS07_527106** SeqNo: **9164464** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4432 | 0.0500 | 0.5 | 0.02291 | 84.1 | 75 - 125 | | | | |
| Calcium | 25.1 | 0.500 | 10 | 14.79 | 103 | 75 - 125 | | | | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID: 236051 ( 0 )** **Instrument: ICPMS07** **Method: ICP-MS METALS BY SW6020A**

**SD** Sample ID: **HS25110797-05SD** Units: **mg/L** Analysis Date: **25-Nov-2025 19:34**
Client ID: **MW-48** Run ID: **ICPMS07_527106** SeqNo: **9164459** PrepDate: **25-Nov-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.06388 | 0.250 | | | | | 0.02291 | 0 | 10 | J |
| Calcium | 15.88 | 2.50 | | | | | 14.79 | 7.33 | 10 | |

**The following samples were analyzed in this batch:** HS25110797-05 HS25110797-09 HS25110797-10 HS25110797-11

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID:** R526738 ( 0 ) **Instrument:** ICS-04 **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MBLK** Sample ID: **MBLK** Units: **mg/L** Analysis Date: **19-Nov-2025 12:36**
Client ID: Run ID: **ICS-04_526738** SeqNo: **9153352** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | < 0.200 | 0.500 | | | | | | | | |
| Sulfate | < 0.200 | 0.500 | | | | | | | | |

**LCS** Sample ID: **LCS** Units: **mg/L** Analysis Date: **19-Nov-2025 12:47**
Client ID: Run ID: **ICS-04_526738** SeqNo: **9153353** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 20.99 | 0.500 | 20 | 0 | 105 | 90 - 110 | | | | |
| Sulfate | 21.63 | 0.500 | 20 | 0 | 108 | 90 - 110 | | | | |

**MS** Sample ID: **HS25110797-05MS** Units: **mg/L** Analysis Date: **19-Nov-2025 14:33**
Client ID: **MW-48** Run ID: **ICS-04_526738** SeqNo: **9153369** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 69.72 | 0.500 | 10 | 60.68 | 90.5 | 80 - 120 | | | | O |
| Sulfate | 74.7 | 0.500 | 10 | 65.5 | 92.0 | 80 - 120 | | | | O |

**MS** Sample ID: **HS25110766-01MS** Units: **mg/L** Analysis Date: **19-Nov-2025 12:59**
Client ID: Run ID: **ICS-04_526738** SeqNo: **9153355** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 500.5 | 5.00 | 100 | 403.7 | 96.8 | 80 - 120 | | | | O |
| Sulfate | 907.4 | 5.00 | 100 | 812.7 | 94.7 | 80 - 120 | | | | O |

**MSD** Sample ID: **HS25110797-05MSD** Units: **mg/L** Analysis Date: **19-Nov-2025 14:39**
Client ID: **MW-48** Run ID: **ICS-04_526738** SeqNo: **9153370** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 70.1 | 0.500 | 10 | 60.68 | 94.2 | 80 - 120 | 69.72 | 0.529 | 20 | O |
| Sulfate | 74.88 | 0.500 | 10 | 65.5 | 93.8 | 80 - 120 | 74.7 | 0.246 | 20 | O |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID:** R526738 ( 0 ) **Instrument:** ICS-04 **Method:** ANIONS BY E300.0, REV 2.1, 1993

**MSD** Sample ID: **HS25110766-01MSD** Units: **mg/L** Analysis Date: **19-Nov-2025 13:05**
Client ID: Run ID: **ICS-04_526738** SeqNo: **9153356** PrepDate: DF: **10**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 504.6 | 5.00 | 100 | 403.7 | 101 | 80 - 120 | 500.5 | 0.818 | 20 | O |
| Sulfate | 916.4 | 5.00 | 100 | 812.7 | 104 | 80 - 120 | 907.4 | 0.992 | 20 | O |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25110797-01 | HS25110797-02 | HS25110797-03 | HS25110797-04 |
| HS25110797-05 | HS25110797-06 | HS25110797-07 | HS25110797-08 |
| HS25110797-09 | HS25110797-10 | HS25110797-11 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** HS25110797

**QC BATCH REPORT**

**Batch ID: R526889 ( 0 )** **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

**MBLK** Sample ID: **WMBLK-11212025** Units: **mg/L** Analysis Date: **21-Nov-2025 07:40**
Client ID: Run ID: **Balance1_526889** SeqNo: **9157123** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | < 3.00 | 10.0 | | | | | | | | |

**LCS** Sample ID: **WLCS-11212025** Units: **mg/L** Analysis Date: **21-Nov-2025 07:40**
Client ID: Run ID: **Balance1_526889** SeqNo: **9157122** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 1076 | 10.0 | 1000 | 0 | 108 | 85 - 115 | | | | |

**DUP** Sample ID: **HS25110797-05DUP** Units: **mg/L** Analysis Date: **21-Nov-2025 07:40**
Client ID: **MW-48** Run ID: **Balance1_526889** SeqNo: **9157111** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 428 | 10.0 | | | | | 426 | 0.468 | 20 | |

**DUP** Sample ID: **HS25110761-07DUP** Units: **mg/L** Analysis Date: **21-Nov-2025 07:40**
Client ID: Run ID: **Balance1_526889** SeqNo: **9157101** PrepDate: DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (Residue, Filterable) | 898 | 10.0 | | | | | 888 | 1.12 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25110797-01 | HS25110797-02 | HS25110797-03 | HS25110797-04 |
| HS25110797-05 | HS25110797-06 | HS25110797-07 | HS25110797-08 |
| HS25110797-09 | HS25110797-10 | HS25110797-11 | |

**Client:** TRC
**Project:** NRG Limestone CCR Program
**WorkOrder:** **HS25110797**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| California | 2919 - 2025 | 30-Apr-2026 |
| Dept of Defense | L24-240-R4 | 30-Apr-2026 |
| Dept of Defense | L24-239-R1 | 30-Apr-2026 |
| Florida | E87611-2025 | 30-Jun-2026 |
| Illinois | 200032 - 2025 | 31-Jul-2026 |
| Kansas | KS-C25-00168 | 31-Jul-2026 |
| Kentucky | 123043-2025 | 30-Apr-2026 |
| Louisiana | 03087-2025 | 30-Jun-2026 |
| Maine | 2024017 | 23-Jun-2026 |
| Maryland | 343-2025-26 | 30-Jun-2026 |
| Michigan | 9971-2025 | 30-Apr-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| Nebraska | NE-OS-25-13 - 2025 | 30-Apr-2026 |
| Nevada | NV-C25-00124 - 2025 | 31-Jul-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008-2025 | 30-Jun-2026 |
| New York | 11707 - 2025 | 01-Apr-2026 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| Oklahoma | 2023-140 | 31-Dec-2025 |
| Oregon | TX200002-013 | 15-May-2026 |
| Pennsylvania | 019 | 01-Jul-2026 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | TX-C25-00104 | 30-Apr-2026 |
| Utah | TX026932025-17 | 31-Jul-2026 |

## Sample Receipt Checklist

**Work Order ID:** HS25110797 **Date/Time Received:** **18-Nov-2025 11:21**

**Client Name:** TRC-HOU **Received by:** **Liam Senior**

| **Completed By:** | */S/ Liam Senior* | 18-Nov-2025 16:55 | **Reviewed by:** | */S/ Beverly Mustafa* | 19-Nov-2025 08:10 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **water** Carrier name: **Client**

| | | | | | | |
|---|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | Not Present | ☐ |
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | Not Present | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | Not Present | ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes | ☐ | No | ☐ | Not Present | ☑ |
| Chain of custody present? | Yes | ☑ | No | ☐ | 2 Page(s) | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | COC IDs:354371, 354370 | |
| Samplers name present on COC? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |
| All samples received within holding time? | Yes | ☑ | No | ☐ | | |
| Container/Temp Blank temperature in compliance? | Yes | ☑ | No | ☐ | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Temperature(s)/Thermometer(s): | 0.4UC/0.4C | | | | IR37 | |
| Cooler(s)/Kit(s): | 53371 | | | | | |
| Date/Time sample(s) sent to storage: | 11/18/2025 16:55 | | | | | |
| Water - VOA vials have zero headspace? | Yes | ☐ | No | ☐ | No VOA vials submitted | ☑ |
| Water - pH acceptable upon receipt? | Yes | ☑ | No | ☐ | N/A | ☐ |
| pH adjusted? | Yes | ☐ | No | ☑ | N/A | ☐ |
| pH adjusted by: | | | | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

# Chain of Custody Form

Page 1 of 2

COC ID: 354371

ALS Project Manager: | ALS Work Order #:

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | Limestone ~~WA Parish~~ CCR Program | A | ICP_TW (B and Ca)- Appendix III |
| Work Order | | Project Number | 528472.0000.0000 | B | 300_W (Cl, SO4)- Appendix III |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan)- App III |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | TDS_W 2540C (TDS)- Appendix III |
| Address | 11767 Katy Freeway Suite 230 | Address | 11767 Katy Freeway Suite 850 | E | |
| | | | | F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

**HS25110797**

TRC

NRG Limestone CCR Program

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-06 | 11/17/25 | 1100 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-09 | | 1300 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | MW-16 | | 920 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | MW-47 | | 1200 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 5 | MW-48 | | 915 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 6 | MW-49 | | 1035 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 7 | MW-50 | | 1125 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 8 | MW-51 | | 1215 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 9 | MW-52 | | 1305 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 10 | MW-53 | | 1010 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin/HMI Team

Shipment Method: Consult. Drop off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 3 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: | Notes: |
|---|---|---|---|---|
| | 11/18/25 | 1121 | 11/18/25 1121 | NRG CCR PRIVILEGED & CONFIDENTIAL |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

# Chain of Custody Form



COC ID: 354370

**HS25110797**

TRC

NRG Limestone CCR Program

ALS Project Manager:

| Customer Information | | Project Information | |
|---|---|---|---|
| Purchase Order | 227697 | Project Name | Limestone ~~WA Parish~~ CCR Program |
| Work Order | | Project Number | 528472.0000.0000 |
| Company Name | TRC Corporation | Bill To Company | TRC |
| Send Report To | Lori Burris | Invoice Attn | A/P |
| Address | 11767 Katy Freeway<br>Suite 230 | Address | 11767 Katy Freeway<br>Suite 850 |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com |

| | |
|---|---|
| A | ICP_TW (B and Ca)- Appendix III |
| B | 300_W (Cl, SO4)- Appendix III |
| C | Sub_Fluoride (Sub Fluoride to ALS Michigan)- App III |
| D | TDS_W 2540C (TDS)- Appendix III |
| E | |
| F | |
| G | |
| H | |
| I | |
| J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-48 - MS | 11/17/25 | 915 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 2 | MW-48 - MSD | ↓ | 915 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 3 | ~~DUP~~ Field Dup | ↓ | 1000 | Water | 2,8 | 3 | X | X | X | X | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillis / HMI Team

Shipment Method: Consult Dup off

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

| | | | | |
|---|---|---|---|---|
| Relinquished by: | Date: 11/18/25 | Time: 1121 | Received by: | 11/18/25 1121 |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

Notes: NRG CCR □PRIVILEGED & CONFIDENTIAL

| Cooler ID | Cooler Temp. |
|---|---|
| 2937 | 5 ±0.0 |
| 54086 | 1.1 |
| 53371 | 0.4 |

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

**CUSTODY SEAL**

Date: 11/18/25 Time: 1100
Name: B. Hill
Company: HOF

Seal Broken By: JG
Date: 11.18.25

05-Dec-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25110797** Work Order: **25110104**

Dear Andrew, Revision: **1**

ALS Environmental received 11 samples on 19-Nov-2025 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 25.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

**Client:** ALS Environmental
**Project:** HS25110797
**Work Order:** 25110104

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC Chapter 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

**Revision: 1**

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR 1_251121A | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25110104 | | |
| Analyst Name: KB | Date: 11/21/25 | Reviewer Name: JB | Date: 11/24/25 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**Client:** ALS Environmental
**Project:** HS25110797
**Work Order:** **25110104**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25110104-01 | MW-06 | Water | HS25110797-01 | 11/17/2025 11:00 | 11/19/2025 10:00 | ☐ |
| 25110104-02 | MW-09 | Water | HS25110797-02 | 11/17/2025 13:00 | 11/19/2025 10:00 | ☐ |
| 25110104-03 | MW-16 | Water | HS25110797-03 | 11/17/2025 09:20 | 11/19/2025 10:00 | ☐ |
| 25110104-04 | MW-47 | Water | HS25110797-04 | 11/17/2025 12:00 | 11/19/2025 10:00 | ☐ |
| 25110104-05 | MW-48 | Water | HS25110797-05 | 11/17/2025 09:15 | 11/19/2025 10:00 | ☐ |
| 25110104-06 | MW-49 | Water | HS25110797-06 | 11/17/2025 10:35 | 11/19/2025 10:00 | ☐ |
| 25110104-07 | MW-50 | Water | HS25110797-07 | 11/17/2025 11:25 | 11/19/2025 10:00 | ☐ |
| 25110104-08 | MW-51 | Water | HS25110797-08 | 11/17/2025 12:15 | 11/19/2025 10:00 | ☐ |
| 25110104-09 | MW-52 | Water | HS25110797-09 | 11/17/2025 13:05 | 11/19/2025 10:00 | ☐ |
| 25110104-10 | MW-53 | Water | HS25110797-10 | 11/17/2025 10:10 | 11/19/2025 10:00 | ☐ |
| 25110104-11 | Field Dup | Water | HS25110797-11 | 11/17/2025 10:00 | 11/19/2025 10:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25110797
**WorkOrder:** **25110104**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

**Client:** ALS Environmental
**Project:** HS25110797
**Work Order:** 25110104

## Case Narrative

Samples for the above noted Work Order were received on 11/19/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.

**Work Order:** 25110104
**Client:** ALS Environmental
**Project:** HS25110797

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R425801 | **Test Name:** Fluoride | | | | | |
| 25110104-01 | MW-06 | Water | 11/17/2025 11:00:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-02 | MW-09 | | 11/17/2025 1:00:00 PM | | | 11/21/2025 02:15 PM |
| 25110104-03 | MW-16 | | 11/17/2025 9:20:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-04 | MW-47 | | 11/17/2025 12:00:00 PM | | | 11/21/2025 02:15 PM |
| 25110104-05 | MW-48 | | 11/17/2025 9:15:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-06 | MW-49 | | 11/17/2025 10:35:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-07 | MW-50 | | 11/17/2025 11:25:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-08 | MW-51 | | 11/17/2025 12:15:00 PM | | | 11/21/2025 02:15 PM |
| 25110104-09 | MW-52 | | 11/17/2025 1:05:00 PM | | | 11/21/2025 02:15 PM |
| 25110104-10 | MW-53 | | 11/17/2025 10:10:00 AM | | | 11/21/2025 02:15 PM |
| 25110104-11 | Field Dup | | 11/17/2025 10:00:00 AM | | | 11/21/2025 02:15 PM |

**Revision: 1**

**WorkOrder:** 25110104
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

# ALS Group, USA

**Date:** *05-Dec-25*

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-06
**Collection Date:** 11/17/2025 11:00 AM

**Work Order:** 25110104
**Lab ID:** 25110104-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.310** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-09
**Collection Date:** 11/17/2025 01:00 PM

**Work Order:** 25110104
**Lab ID:** 25110104-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.240** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-16
**Collection Date:** 11/17/2025 09:20 AM

**Work Order:** 25110104
**Lab ID:** 25110104-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.850** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-47
**Collection Date:** 11/17/2025 12:00 PM

**Work Order:** 25110104
**Lab ID:** 25110104-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.510** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-48
**Collection Date:** 11/17/2025 09:15 AM

**Work Order:** 25110104
**Lab ID:** 25110104-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.530** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-49
**Collection Date:** 11/17/2025 10:35 AM

**Work Order:** 25110104
**Lab ID:** 25110104-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.130** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-50
**Collection Date:** 11/17/2025 11:25 AM

**Work Order:** 25110104
**Lab ID:** 25110104-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0900** | J | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-51
**Collection Date:** 11/17/2025 12:15 PM

**Work Order:** 25110104
**Lab ID:** 25110104-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.330** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-52
**Collection Date:** 11/17/2025 01:05 PM

**Work Order:** 25110104
**Lab ID:** 25110104-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.220** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** MW-53
**Collection Date:** 11/17/2025 10:10 AM

**Work Order:** 25110104
**Lab ID:** 25110104-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.610** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110797
**Sample ID:** Field Dup
**Collection Date:** 11/17/2025 10:00 AM

**Work Order:** 25110104
**Lab ID:** 25110104-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.490** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

ALS Group, USA

Date: 05-Dec-25

**Client:** ALS Environmental

# QC BATCH REPORT

**Work Order:** 25110104

**Project:** HS25110797

Batch ID: **R425801a** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R425801-R425801a** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685377** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.08 | 0.058 | 0.10 | | | | | | | | J |

**LCS** Sample ID: **LCS-R425801-R425801a** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685378** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.93 | 0.058 | 0.10 | 5 | 0 | 98.6 | 90-111 | 0 | | | |

**MS** Sample ID: **25110104-05AMS** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: **MW-48** Run ID: **TITRATOR 1_251121A** SeqNo: **11685384** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.53 | 95.2 | 90-111 | 0 | | | |

**MS** Sample ID: **25110105-02AMS** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685394** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.47 | 0.058 | 0.10 | 5 | 0.52 | 99 | 90-111 | 0 | | | |

**MSD** Sample ID: **25110104-05AMSD** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: **MW-48** Run ID: **TITRATOR 1_251121A** SeqNo: **11685385** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.37 | 0.058 | 0.10 | 5 | 0.53 | 96.8 | 90-111 | 5.29 | 1.5 | 20 | |

**MSD** Sample ID: **25110105-02AMSD** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685395** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.52 | 0.058 | 0.10 | 5 | 0.52 | 100 | 90-111 | 5.47 | 0.91 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25110104-01A | 25110104-02A | 25110104-03A |
| 25110104-04A | 25110104-05A | 25110104-06A |
| 25110104-07A | 25110104-08A | 25110104-09A |
| 25110104-10A | 25110104-11A | |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Revision: 1**

# 25110104

ALS - HOUSTON: ALS Environmental
Project: HS25110797

0450 Stancliff Rd, Ste 210
ouston, TX 77099
: +1 281 530 5656
: +1 281 530 5887
ww.alsglobal.com

## Subcontract Chain of Custody

**SAMPLING STATE:** **Texas**

**COC ID:** **29885**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25110797 |
| **TSR:** | Jennifer Jonas |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25110797-01** | **MW-06** | **Water** | **17 Nov 2025 11:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 2. | **HS25110797-02** | **MW-09** | **Water** | **17 Nov 2025 13:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 3. | **HS25110797-03** | **MW-16** | **Water** | **17 Nov 2025 09:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 4. | **HS25110797-04** | **MW-47** | **Water** | **17 Nov 2025 12:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 5. | **HS25110797-05** | **MW-48** | **Water** | **17 Nov 2025 09:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 6. | **HS25110797-06** | **MW-49** | **Water** | **17 Nov 2025 10:35** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 7. | **HS25110797-07** | **MW-50** | **Water** | **17 Nov 2025 11:25** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 8. | **HS25110797-08** | **MW-51** | **Water** | **17 Nov 2025 12:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 9. | **HS25110797-09** | **MW-52** | **Water** | **17 Nov 2025 13:05** |

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID:** **29885**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| **10.** | **HS25110797-10** | **MW-53** | **Water** | **17 Nov 2025 10:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| **11.** | **HS25110797-11** | **Field Dup** | **Water** | **17 Nov 2025 10:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.
Sample MW-48 MS/MSD

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: LS Date/Time: 11/18/25 1800

Received By: Date/Time: 11-19-25 1000

Cooler ID(s): Temperature(s): 2.2 D/S

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **19-Nov-25 10:00**

Work Order: **25110104** Received by: **JD**

Checklist completed by Jason Delinger (eSignature) 19-Nov-25 (Date) Reviewed by: Chelsey Cook (eSignature) 20-Nov-25 (Date)

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 2.2/2.2 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 11/19/2025 2:51:27 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 05, 2025

Lori Burris
TRC
11767 Katy Freeway
Suite 850
Houston, TX 77079

Work Order: **HS25110794**

Laboratory Results for: **NRG Limestone - Appendix IV**

Dear Lori Burris,

ALS Environmental received 11 sample(s) on Nov 18, 2025 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

**Generated By: DAYNA.FISHER**
Andy C. Neir
Project Manager

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone - Appendix IV | |
| **WorkOrder:** | **HS25110794** | |

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

| | | |
|---|---|---|
| **Client:** | TRC | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | NRG Limestone - Appendix IV | |
| **WorkOrder:** | **HS25110794** | |

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

| Laboratory Review Checklist: Reportable Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 12/05/2025 | | | | | |
| Project Name: NRG Limestone - Appendix IV | | | Laboratory Job Number: HS25110794 | | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 236049,236076,R527030 | | | | | |
| #[1] | A[2] | Description | Yes | No | NA[3] | NR[4] | ER#[5] | |
| R1 | OI | **Chain-of-custody (C-O-C)** | | | | | | |
| | | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | X | | | | | |
| | | Were all departures from standard conditions described in an exception report? | X | | | | | |
| R2 | OI | **Sample and quality control (QC) identification** | | | | | | |
| | | Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | X | | | | | |
| | | Are all laboratory ID numbers cross-referenced to the corresponding QC data? | X | | | | | |
| R3 | OI | **Test reports** | | | | | | |
| | | Were all samples prepared and analyzed within holding times? | X | | | | | |
| | | Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | | |
| | | Were calculations checked by a peer or supervisor? | X | | | | | |
| | | Were all analyte identifications checked by a peer or supervisor? | X | | | | | |
| | | Were sample detection limits reported for all analytes not detected? | X | | | | | |
| | | Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | | |
| | | Were % moisture (or solids) reported for all soil and sediment samples? | | | X | | | |
| | | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035? | | | X | | | |
| | | If required for the project, TICs reported? | | | X | | | |
| R4 | O | **Surrogate recovery data** | | | | | | |
| | | Were surrogates added prior to extraction? | | | X | | | |
| | | Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | | |
| R5 | OI | **Test reports/summary forms for blank samples** | | | | | | |
| | | Were appropriate type(s) of blanks analyzed? | X | | | | | |
| | | Were blanks analyzed at the appropriate frequency? | X | | | | | |
| | | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | | |
| | | Were blank concentrations < MQL? | X | | | | | |
| R6 | OI | **Laboratory control samples (LCS):** | | | | | | |
| | | Were all COCs included in the LCS? | X | | | | | |
| | | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | | |
| | | Were LCSs analyzed at the required frequency? | X | | | | | |
| | | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? | X | | | | | |
| | | Was the LCSD RPD within QC limits? | X | | | | | |
| R7 | OI | **Matrix spike (MS) and matrix spike duplicate (MSD) data** | | | | | | |
| | | Were the project/method specified analytes included in the MS and MSD? | X | | | | | |
| | | Were MS/MSD analyzed at the appropriate frequency? | X | | | | | |
| | | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? | X | | | | | |
| | | Were MS/MSD RPDs within laboratory QC limits? | X | | | | | |
| R8 | OI | **Analytical duplicate data** | | | | | | |
| | | Were appropriate analytical duplicates analyzed for each matrix? | X | | | | | |
| | | Were analytical duplicates analyzed at the appropriate frequency? | X | | | | | |
| | | Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | | |
| R9 | OI | **Method quantitation limits (MQLs):** | | | | | | |
| | | Are the MQLs for each method analyte included in the laboratory data package? | X | | | | | |
| | | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | | |
| | | Are unadjusted MQLs and DCSs included in the laboratory data package? | X | | | | | |
| R10 | OI | **Other problems/anomalies** | | | | | | |
| | | Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | 1 | |
| | | Were all necessary corrective actions performed for the reported data? | X | | | | | |
| | | Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results? | X | | | | | |
| | | Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package? | X | | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Supporting Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Laboratory Name: ALS Laboratory Group | | | LRC Date: 12/05/2025 | | | | |
| Project Name: NRG Limestone - Appendix IV | | | Laboratory Job Number: HS25110794 | | | | |
| Reviewer Name: Andy Neir | | | Prep Batch Number(s): 236049,236076,R527030 | | | | |
| **#[1]** | **A[2]** | **Description** | **Yes** | **No** | **NA[3]** | **NR[4]** | **ER#[5]** |
| **S1** | OI | **Initial calibration (ICAL)** | | | | | |
| | | Were response factors and/or relative response factors for each analyte within QC limits? | X | | | | |
| | | Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | Are ICAL data available for all instruments used? | X | | | | |
| | | Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| **S2** | OI | **Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)** | | | | | |
| | | Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | Was the ICAL curve verified for each analyte? | X | | | | |
| | | Was the absolute value of the analyte concentration in the inorganic CCB < MDL? | | X | | | 2 |
| **S3** | O | **Mass spectral tuning:** | | | | | |
| | | Was the appropriate compound for the method used for tuning? | X | | | | |
| | | Were ion abundance data within the method-required QC limits? | X | | | | |
| **S4** | O | **Internal standards (IS):** | | | | | |
| | | Were IS area counts and retention times within the method-required QC limits? | X | | | | |
| **S5** | OI | **Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section | | | | | |
| | | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | Were data associated with manual integrations flagged on the raw data? | X | | | | |
| **S6** | O | **Dual column confirmation** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| **S7** | O | **Tentatively identified compounds (TICs):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| **S8** | I | **Interference Check Sample (ICS) results:** | | | | | |
| | | Were percent recoveries within method QC limits? | X | | | | |
| **S9** | I | **Serial dilutions, post digestion spikes, and method of standard additions** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | X | | | | |
| **S10** | OI | **Method detection limit (MDL) studies** | | | | | |
| | | Was a MDL study performed for each reported analyte? | X | | | | |
| | | Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| **S11** | OI | **Proficiency test reports:** | | | | | |
| | | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X | | | | |
| **S12** | OI | **Standards documentation** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| **S13** | OI | **Compound/analyte identification procedures** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| **S14** | OI | **Demonstration of analyst competency (DOC)** | | | | | |
| | | Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4? | X | | | | |
| | | Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| **S15** | OI | **Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5) | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable? | X | | | | |
| **S16** | OI | **Laboratory standard operating procedures (SOPs):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

| Laboratory Review Checklist: Exception Reports | | |
|---|---|---|
| Laboratory Name: ALS Laboratory Group | | LRC Date: 12/05/2025 |
| Project Name: NRG Limestone - Appendix IV | | Laboratory Number: HS25110794 |
| Reviewer Name: Andy Neir | | Prep Batch Number(s): 236049,236076,R527030 |
| **ER#[5]** | **Description** | |
| 1 | Revision I: Revised final on 12/5/2025, ALS Holland, MI data revised to correct QC batches.<br><br>The analysis for Fluoride was subcontracted to ALS Environmental in Holland, Report and Laboratory Review Checklist are attached to the final report | |
| 2 | See Run Log and CCB Exceptions Report. | |

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794
Start Date: 01-Dec-2025 End Date: 01-Dec-2025

Run ID:ICPMS06_527392
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| ICV | 1 | 01-Dec-2025 14:37 | 018_ICV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLICV5 | 1 | 01-Dec-2025 14:38 | 019LCV5.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLICV2 | 1 | 01-Dec-2025 14:40 | 020LCV2.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICB | 1 | 01-Dec-2025 14:42 | 021_ICB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSA | 1 | 01-Dec-2025 14:47 | 023ICSA.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSAB | 1 | 01-Dec-2025 14:49 | 024ICSB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 1 | 1 | 01-Dec-2025 14:57 | 027_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 1 | 1 | 01-Dec-2025 14:59 | 028_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 2 | 1 | 01-Dec-2025 15:43 | 040_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 2 | 1 | 01-Dec-2025 15:45 | 041_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 3 | 1 | 01-Dec-2025 16:11 | 052_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 3 | 1 | 01-Dec-2025 16:13 | 053_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 4 | 1 | 01-Dec-2025 16:39 | 064_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 4 | 1 | 01-Dec-2025 16:41 | 065_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 5 | 1 | 01-Dec-2025 17:01 | 072_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 5 | 1 | 01-Dec-2025 17:03 | 073_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MBLK-236049 | 1 | 01-Dec-2025 17:05 | 074SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LCS-236049 | 1 | 01-Dec-2025 17:07 | 075SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48SD | 5 | 01-Dec-2025 17:09 | 076SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48 | 1 | 01-Dec-2025 17:15 | 078SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48MS | 1 | 01-Dec-2025 17:17 | 079SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48MSD | 1 | 01-Dec-2025 17:19 | 080SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-48PDS | 1 | 01-Dec-2025 17:21 | 081SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 6 | 1 | 01-Dec-2025 17:28 | 084_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 6 | 1 | 01-Dec-2025 17:29 | 085_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-47 | 1 | 01-Dec-2025 17:36 | 088SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-49 | 1 | 01-Dec-2025 17:38 | 089SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-50 | 1 | 01-Dec-2025 17:40 | 090SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-06 | 1 | 01-Dec-2025 17:42 | 091SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-09 | 1 | 01-Dec-2025 17:44 | 092SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-16 | 1 | 01-Dec-2025 17:46 | 093SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-51 | 1 | 01-Dec-2025 17:48 | 094SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 7 | 1 | 01-Dec-2025 17:53 | 096_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 7 | 1 | 01-Dec-2025 17:55 | 097_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-52 | 1 | 01-Dec-2025 17:57 | 098SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| MW-53 | 1 | 01-Dec-2025 17:59 | 099SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| Field Dup | 1 | 01-Dec-2025 18:01 | 100SMPL.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 8 | 1 | 01-Dec-2025 18:19 | 108_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 8 | 1 | 01-Dec-2025 18:21 | 109_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 9 | 1 | 01-Dec-2025 18:29 | 113_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 9 | 1 | 01-Dec-2025 18:31 | 114_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 10 | 1 | 01-Dec-2025 18:37 | 117_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 10 | 1 | 01-Dec-2025 18:39 | 118_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 11 | 1 | 01-Dec-2025 19:09 | 129_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 11 | 1 | 01-Dec-2025 19:11 | 130_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 12 | 1 | 01-Dec-2025 19:23 | 136_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 12 | 1 | 01-Dec-2025 19:25 | 137_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 13 | 1 | 01-Dec-2025 19:48 | 148_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 13 | 1 | 01-Dec-2025 19:50 | 149_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 14 | 1 | 01-Dec-2025 20:12 | 160_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |

## FORM 13 - ANALYSIS RUN LOG

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794
Start Date: 01-Dec-2025 End Date: 01-Dec-2025

Run ID:ICPMS06_527392
Instrument:ICPMS06
Method:SW6020A

| Sample No. | D/F | Time | FileID | Analytes |
|---|---|---|---|---|
| CCB 14 | 1 | 01-Dec-2025 20:14 | 161_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 15 | 1 | 01-Dec-2025 20:22 | 165_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 15 | 1 | 01-Dec-2025 20:24 | 166_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 16 | 1 | 01-Dec-2025 20:42 | 175_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 16 | 1 | 01-Dec-2025 20:44 | 176_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 17 | 1 | 01-Dec-2025 21:06 | 187_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 17 | 1 | 01-Dec-2025 21:08 | 188_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 18 | 1 | 01-Dec-2025 21:22 | 195_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 18 | 1 | 01-Dec-2025 21:24 | 196_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCV 19 | 1 | 01-Dec-2025 21:29 | 198_CCV.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| CCB 19 | 1 | 01-Dec-2025 21:30 | 199_CCB.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLCCV2 | 1 | 01-Dec-2025 21:32 | 200LCV2.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| LLCCV5 | 1 | 01-Dec-2025 21:34 | 201LCV5.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSA | 1 | 01-Dec-2025 21:38 | 203ICSA.d | AS BA BE CD CO CR LI MO PB SB SE TL |
| ICSAB | 1 | 01-Dec-2025 21:41 | 204ICSB.d | AS BA BE CD CO CR LI MO PB SB SE TL |

# CCB EXCEPTIONS REPORT

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

Run ID:ICPMS06_527392
Instrument:ICPMS06
Method:SW6020A

| CCB 4 | Date: 01-Dec-2025 16:41 | Seq: 9169070 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Antimony | 0.268 | 0.26 | 2 | |
| Arsenic | 2.675 | 0.51 | 2 | |

| CCB 5 | Date: 01-Dec-2025 17:03 | Seq: 9169132 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Arsenic | 0.964 | 0.51 | 2 | |

| CCB 6 | Date: 01-Dec-2025 17:29 | Seq: 9169144 | D/F: 1 | Units: ug/L |
|---|---|---|---|---|
| **Analyte** | **Result** | **MDL** | **Report Limit** | |
| Arsenic | 0.664 | 0.51 | 2 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**Work Order:** HS25110794

## SAMPLE SUMMARY

| Lab Samp ID | Client Sample ID | Matrix | TagNo | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| HS25110794-01 | MW-47 | Water | | 17-Nov-2025 12:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-02 | MW-48 | Water | | 17-Nov-2025 09:15 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-03 | MW-49 | Water | | 17-Nov-2025 10:35 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-04 | MW-50 | Water | | 17-Nov-2025 11:25 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-05 | MW-06 | Water | | 17-Nov-2025 11:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-06 | MW-09 | Water | | 17-Nov-2025 13:00 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-07 | MW-16 | Water | | 17-Nov-2025 09:20 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-08 | MW-51 | Water | | 17-Nov-2025 12:15 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-09 | MW-52 | Water | | 17-Nov-2025 13:05 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-10 | MW-53 | Water | | 17-Nov-2025 10:10 | 18-Nov-2025 11:21 | ☐ |
| HS25110794-11 | Field Dup | Water | | 17-Nov-2025 10:00 | 18-Nov-2025 11:21 | ☐ |

**Client:** TRC **CASE NARRATIVE**
**Project:** NRG Limestone - Appendix IV
**Work Order:** HS25110794

## Work Order Comments

- Revised final on 12/5/2025, ALS Holland, MI data revised to correct QC batches.

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-47
Collection Date: 17-Nov-2025 12:00

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-01
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| **Arsenic** | **0.00436** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:36 |
| **Barium** | **0.130** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:36 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:36 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| **Lithium** | **0.0165** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:36 |
| **Molybdenum** | **0.00148** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:36 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:36 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:36 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:00 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-48
Collection Date: 17-Nov-2025 09:15

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-02
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| **Arsenic** | **0.00596** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:15 |
| **Barium** | **0.0221** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:15 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:15 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| **Lithium** | **0.00895** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:15 |
| **Molybdenum** | **0.000755** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:15 |
| **Selenium** | **0.00448** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:15 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:15 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:02 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-49
Collection Date: 17-Nov-2025 10:35

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-03
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:38 |
| **Arsenic** | **0.0241** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:38 |
| **Barium** | **0.926** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:38 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:38 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:38 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:38 |
| **Cobalt** | **0.0384** | | **0.000530** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:38 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:38 |
| **Lithium** | **0.00329** | J | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:38 |
| **Molybdenum** | **0.000853** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:38 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:38 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:38 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:10 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-50
Collection Date: 17-Nov-2025 11:25

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-04
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:40 |
| **Arsenic** | **0.00113** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:40 |
| **Barium** | **0.0179** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:40 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:40 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:40 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:40 |
| **Cobalt** | **0.00603** | | **0.000530** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:40 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:40 |
| **Lithium** | **0.0252** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:40 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:40 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:40 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:40 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:12 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-06
Collection Date: 17-Nov-2025 11:00

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-05
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:42 |
| **Arsenic** | **0.00145** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:42 |
| **Barium** | **0.103** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:42 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:42 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:42 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:42 |
| **Cobalt** | **0.000687** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:42 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:42 |
| **Lithium** | **0.00710** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:42 |
| **Molybdenum** | **0.000667** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:42 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:42 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:42 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:14 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-09
Collection Date: 17-Nov-2025 13:00

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-06
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:44 |
| **Arsenic** | **0.00236** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:44 |
| **Barium** | **0.243** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:44 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:44 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:44 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:44 |
| **Cobalt** | **0.00168** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:44 |
| **Lead** | **0.00112** | J | **0.000470** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:44 |
| **Lithium** | **0.0356** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:44 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:44 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:44 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:44 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:16 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-16
Collection Date: 17-Nov-2025 09:20

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-07
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| **Arsenic** | **0.00268** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:46 |
| **Barium** | **0.0347** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:46 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:46 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| **Lithium** | **0.00361** | J | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:46 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:46 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:46 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:46 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:17 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-51
Collection Date: 17-Nov-2025 12:15

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-08
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:48 |
| **Arsenic** | **0.00107** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| **Barium** | **0.424** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:48 |
| **Cadmium** | **0.000619** | J | **0.000420** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:48 |
| **Cobalt** | **0.000699** | J | **0.000530** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:48 |
| **Lithium** | **0.0464** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| **Molybdenum** | **0.000557** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| **Selenium** | **0.00292** | J | **0.00100** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:48 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:48 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:19 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-52
Collection Date: 17-Nov-2025 13:05

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-09
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:57 |
| **Arsenic** | **0.00111** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:57 |
| **Barium** | **0.0803** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:57 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:57 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:57 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:57 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:57 |
| **Lead** | **0.000489** | J | **0.000470** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:57 |
| **Lithium** | **0.0426** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:57 |
| Molybdenum | < 0.000400 | | 0.000400 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:57 |
| **Selenium** | **0.0125** | | **0.00100** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:57 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:57 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:21 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: MW-53
Collection Date: 17-Nov-2025 10:10

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-10
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| **Arsenic** | **0.00152** | J | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 17:59 |
| **Barium** | **0.0808** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:59 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:59 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| **Lithium** | **0.0112** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:59 |
| **Molybdenum** | **0.000948** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 17:59 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 17:59 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 17:59 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:22 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

Client: TRC
Project: NRG Limestone - Appendix IV
Sample ID: Field Dup
Collection Date: 17-Nov-2025 10:00

**ANALYTICAL REPORT**
WorkOrder:HS25110794
Lab ID:HS25110794-11
Matrix:Water

| ANALYSES | RESULT | QUAL | SDL | MQL | UNITS | DILUTION FACTOR | DATE ANALYZED |
|---|---|---|---|---|---|---|---|
| **ICP-MS METALS BY SW6020A** | | **Method:SW6020A** | | | Prep:SW3010A / 25-Nov-2025 | | Analyst: JC |
| Antimony | < 0.000260 | | 0.000260 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| **Arsenic** | **0.00423** | | **0.000510** | **0.00200** | **mg/L** | 1 | 01-Dec-2025 18:01 |
| **Barium** | **0.136** | | **0.000750** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 18:01 |
| Beryllium | < 0.000600 | | 0.000600 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| Cadmium | < 0.000420 | | 0.000420 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| Chromium | < 0.00173 | | 0.00173 | 0.00500 | mg/L | 1 | 01-Dec-2025 18:01 |
| Cobalt | < 0.000530 | | 0.000530 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| Lead | < 0.000470 | | 0.000470 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| **Lithium** | **0.0173** | | **0.000800** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 18:01 |
| **Molybdenum** | **0.00165** | J | **0.000400** | **0.00500** | **mg/L** | 1 | 01-Dec-2025 18:01 |
| Selenium | < 0.00100 | | 0.00100 | 0.00500 | mg/L | 1 | 01-Dec-2025 18:01 |
| Thallium | < 0.000700 | | 0.000700 | 0.00200 | mg/L | 1 | 01-Dec-2025 18:01 |
| **MERCURY BY SW7470A** | | **Method:SW7470A** | | | Prep:SW7470A / 25-Nov-2025 | | Analyst: JS |
| Mercury | < 0.0000300 | | 0.0000300 | 0.000200 | mg/L | 1 | 25-Nov-2025 17:30 |
| **SUBCONTRACT ANALYSIS - FLOURIDE** | | **Method:NA** | | | | | Analyst: SUBHO |
| Subcontract Analysis | See Attached | | 0 | | | 1 | 24-Nov-2025 12:56 |

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Privileged and Confidential

**Weight / Prep Log**

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

**Batch ID:** 236049 **Start Date:** 25 Nov 2025 09:00 **End Date:** 25 Nov 2025 09:00
**Method:** WATER - SW3010A **Prep Code:** 3010A

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25110794-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Batch ID:** 236076 **Start Date:** 25 Nov 2025 10:00 **End Date:** 25 Nov 2025 10:00
**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

| Sample ID | Container | Sample Wt/Vol | Final Volume | Prep Factor | |
|---|---|---|---|---|---|
| HS25110794-01 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-02 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-03 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-04 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-05 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-06 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-07 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-08 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-09 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-10 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |
| HS25110794-11 | | 10 (mL) | 10 (mL) | 1 | 120 plastic HNO3 |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

## DATES REPORT

| Sample ID | Client Samp ID | Collection Date | Leachate Date | Prep Date | Analysis Date | DF |
|---|---|---|---|---|---|---|
| **Batch ID:** 236049 ( 0 ) | **Test Name :** ICP-MS METALS BY SW6020A | | | | **Matrix:** Water | |
| HS25110794-01 | MW-47 | 17 Nov 2025 12:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:36 | 1 |
| HS25110794-02 | MW-48 | 17 Nov 2025 09:15 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:15 | 1 |
| HS25110794-03 | MW-49 | 17 Nov 2025 10:35 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:38 | 1 |
| HS25110794-04 | MW-50 | 17 Nov 2025 11:25 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:40 | 1 |
| HS25110794-05 | MW-06 | 17 Nov 2025 11:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:42 | 1 |
| HS25110794-06 | MW-09 | 17 Nov 2025 13:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:44 | 1 |
| HS25110794-07 | MW-16 | 17 Nov 2025 09:20 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:46 | 1 |
| HS25110794-08 | MW-51 | 17 Nov 2025 12:15 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:48 | 1 |
| HS25110794-09 | MW-52 | 17 Nov 2025 13:05 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:57 | 1 |
| HS25110794-10 | MW-53 | 17 Nov 2025 10:10 | | 25 Nov 2025 09:00 | 01 Dec 2025 17:59 | 1 |
| HS25110794-11 | Field Dup | 17 Nov 2025 10:00 | | 25 Nov 2025 09:00 | 01 Dec 2025 18:01 | 1 |
| **Batch ID:** 236076 ( 0 ) | **Test Name :** MERCURY BY SW7470A | | | | **Matrix:** Water | |
| HS25110794-01 | MW-47 | 17 Nov 2025 12:00 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:00 | 1 |
| HS25110794-02 | MW-48 | 17 Nov 2025 09:15 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:02 | 1 |
| HS25110794-03 | MW-49 | 17 Nov 2025 10:35 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:10 | 1 |
| HS25110794-04 | MW-50 | 17 Nov 2025 11:25 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:12 | 1 |
| HS25110794-05 | MW-06 | 17 Nov 2025 11:00 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:14 | 1 |
| HS25110794-06 | MW-09 | 17 Nov 2025 13:00 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:16 | 1 |
| HS25110794-07 | MW-16 | 17 Nov 2025 09:20 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:17 | 1 |
| HS25110794-08 | MW-51 | 17 Nov 2025 12:15 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:19 | 1 |
| HS25110794-09 | MW-52 | 17 Nov 2025 13:05 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:21 | 1 |
| HS25110794-10 | MW-53 | 17 Nov 2025 10:10 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:22 | 1 |
| HS25110794-11 | Field Dup | 17 Nov 2025 10:00 | | 25 Nov 2025 10:00 | 25 Nov 2025 17:30 | 1 |
| **Batch ID:** R527030 ( 0 ) | **Test Name :** SUBCONTRACT ANALYSIS - FLOURIDE | | | | **Matrix:** Water | |
| HS25110794-01 | MW-47 | 17 Nov 2025 12:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-02 | MW-48 | 17 Nov 2025 09:15 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-03 | MW-49 | 17 Nov 2025 10:35 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-04 | MW-50 | 17 Nov 2025 11:25 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-05 | MW-06 | 17 Nov 2025 11:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-06 | MW-09 | 17 Nov 2025 13:00 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-07 | MW-16 | 17 Nov 2025 09:20 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-08 | MW-51 | 17 Nov 2025 12:15 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-09 | MW-52 | 17 Nov 2025 13:05 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-10 | MW-53 | 17 Nov 2025 10:10 | | | 24 Nov 2025 12:56 | 1 |
| HS25110794-11 | Field Dup | 17 Nov 2025 10:00 | | | 24 Nov 2025 12:56 | 1 |

WorkOrder: HS25110794
InstrumentID: HG05
Test Code: HG_W
Test Number: SW7470A
Test Name: Mercury by SW7470A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Mercury | 7439-97-6 | 0.000100 | 0.000102 | 0.0000300 | 0.000200 |

WorkOrder: HS25110794
InstrumentID: ICPMS06
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:** Aqueous **Units:** mg/L

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Antimony | 7440-36-0 | 0.00100 | 0.000954 | 0.000260 | 0.00200 |
| A | Arsenic | 7440-38-2 | 0.00100 | 0.00101 | 0.000510 | 0.00200 |
| A | Barium | 7440-39-3 | 0.00200 | 0.00218 | 0.000750 | 0.00500 |
| A | Beryllium | 7440-41-7 | 0.00100 | 0.000875 | 0.000600 | 0.00200 |
| A | Cadmium | 7440-43-9 | 0.00100 | 0.000943 | 0.000420 | 0.00200 |
| A | Chromium | 7440-47-3 | 0.00250 | 0.00289 | 0.00173 | 0.00500 |
| A | Cobalt | 7440-48-4 | 0.00100 | 0.00253 | 0.000530 | 0.00200 |
| A | Lead | 7439-92-1 | 0.00100 | 0.000977 | 0.000470 | 0.00200 |
| A | Lithium | 7439-93-2 | 0.00250 | 0.00225 | 0.000800 | 0.00500 |
| A | Molybdenum | 7439-98-7 | 0.00200 | 0.00196 | 0.000400 | 0.00500 |
| A | Selenium | 7782-49-2 | 0.00125 | 0.00250 | 0.00100 | 0.00500 |
| A | Thallium | 7440-28-0 | 0.00100 | 0.000938 | 0.000700 | 0.00200 |

WorkOrder: HS25110794
InstrumentID: Subcontract
Test Code: Sub_Flouride
Test Number: NA
Test Name: Subcontract Analysis - Flouride

**METHOD DETECTION / REPORTING LIMITS**

**Matrix:**

**Units:**

| Type | Analyte | CAS | DCS Spike | DCS | MDL | PQL |
|---|---|---|---|---|---|---|
| A | Subcontract Analysis | | 0 | 0 | 0 | 0 |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

**QC BATCH REPORT**

**Batch ID: 236049 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MBLK** Sample ID: **MBLK-236049** Units: **mg/L** Analysis Date: **01-Dec-2025 17:05**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169133** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.000260 | 0.00200 | | | | | | | | |
| Arsenic | 0.000947 | 0.00200 | | | | | | | | J |
| Barium | < 0.000750 | 0.00500 | | | | | | | | |
| Beryllium | < 0.000600 | 0.00200 | | | | | | | | |
| Cadmium | < 0.000420 | 0.00200 | | | | | | | | |
| Chromium | < 0.00173 | 0.00500 | | | | | | | | |
| Cobalt | < 0.000530 | 0.00200 | | | | | | | | |
| Lead | < 0.000470 | 0.00200 | | | | | | | | |
| Lithium | < 0.000800 | 0.00500 | | | | | | | | |
| Molybdenum | < 0.000400 | 0.00500 | | | | | | | | |
| Selenium | < 0.00100 | 0.00500 | | | | | | | | |
| Thallium | < 0.000700 | 0.00200 | | | | | | | | |

**LCS** Sample ID: **LCS-236049** Units: **mg/L** Analysis Date: **01-Dec-2025 17:07**
Client ID: Run ID: **ICPMS06_527392** SeqNo: **9169134** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.04978 | 0.00200 | 0.05 | 0 | 99.6 | 80 - 120 | | | | |
| Arsenic | 0.05185 | 0.00200 | 0.05 | 0 | 104 | 80 - 120 | | | | |
| Barium | 0.04857 | 0.00500 | 0.05 | 0 | 97.1 | 80 - 120 | | | | |
| Beryllium | 0.04826 | 0.00200 | 0.05 | 0 | 96.5 | 80 - 120 | | | | |
| Cadmium | 0.04954 | 0.00200 | 0.05 | 0 | 99.1 | 80 - 120 | | | | |
| Chromium | 0.05118 | 0.00500 | 0.05 | 0 | 102 | 80 - 120 | | | | |
| Cobalt | 0.05254 | 0.00200 | 0.05 | 0 | 105 | 80 - 120 | | | | |
| Lead | 0.04979 | 0.00200 | 0.05 | 0 | 99.6 | 80 - 120 | | | | |
| Lithium | 0.05129 | 0.00500 | 0.05 | 0 | 103 | 80 - 120 | | | | |
| Molybdenum | 0.04835 | 0.00500 | 0.05 | 0 | 96.7 | 80 - 120 | | | | |
| Selenium | 0.04984 | 0.00500 | 0.05 | 0 | 99.7 | 80 - 120 | | | | |
| Thallium | 0.04847 | 0.00200 | 0.05 | 0 | 96.9 | 80 - 120 | | | | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

**QC BATCH REPORT**

**Batch ID: 236049 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**MS** Sample ID: **HS25110794-02MS** Units: **mg/L** Analysis Date: **01-Dec-2025 17:17**
Client ID: **MW-48** Run ID: **ICPMS06_527392** SeqNo: **9169138** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.05071 | 0.00200 | 0.05 | 0 | 101 | 80 - 120 | | | | |
| Arsenic | 0.05833 | 0.00200 | 0.05 | 0.005959 | 105 | 80 - 120 | | | | |
| Barium | 0.07247 | 0.00500 | 0.05 | 0.02215 | 101 | 80 - 120 | | | | |
| Beryllium | 0.05008 | 0.00200 | 0.05 | 0 | 100 | 80 - 120 | | | | |
| Cadmium | 0.05082 | 0.00200 | 0.05 | 0 | 102 | 80 - 120 | | | | |
| Chromium | 0.05168 | 0.00500 | 0.05 | 0 | 103 | 80 - 120 | | | | |
| Cobalt | 0.05164 | 0.00200 | 0.05 | 0 | 103 | 80 - 120 | | | | |
| Lead | 0.05176 | 0.00200 | 0.05 | 0 | 104 | 80 - 120 | | | | |
| Lithium | 0.06234 | 0.00500 | 0.05 | 0.008952 | 107 | 80 - 120 | | | | |
| Molybdenum | 0.05005 | 0.00500 | 0.05 | 0.000755 | 98.6 | 80 - 120 | | | | |
| Selenium | 0.05571 | 0.00500 | 0.05 | 0.004482 | 102 | 80 - 120 | | | | |
| Thallium | 0.05048 | 0.00200 | 0.05 | 0 | 101 | 80 - 120 | | | | |

**MSD** Sample ID: **HS25110794-02MSD** Units: **mg/L** Analysis Date: **01-Dec-2025 17:19**
Client ID: **MW-48** Run ID: **ICPMS06_527392** SeqNo: **9169139** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.05182 | 0.00200 | 0.05 | 0 | 104 | 80 - 120 | 0.05071 | 2.16 | 20 | |
| Arsenic | 0.05879 | 0.00200 | 0.05 | 0.005959 | 106 | 80 - 120 | 0.05833 | 0.789 | 20 | |
| Barium | 0.07169 | 0.00500 | 0.05 | 0.02215 | 99.1 | 80 - 120 | 0.07247 | 1.09 | 20 | |
| Beryllium | 0.04899 | 0.00200 | 0.05 | 0 | 98.0 | 80 - 120 | 0.05008 | 2.19 | 20 | |
| Cadmium | 0.05096 | 0.00200 | 0.05 | 0 | 102 | 80 - 120 | 0.05082 | 0.269 | 20 | |
| Chromium | 0.05227 | 0.00500 | 0.05 | 0 | 105 | 80 - 120 | 0.05168 | 1.14 | 20 | |
| Cobalt | 0.05184 | 0.00200 | 0.05 | 0 | 104 | 80 - 120 | 0.05164 | 0.4 | 20 | |
| Lead | 0.05082 | 0.00200 | 0.05 | 0 | 102 | 80 - 120 | 0.05176 | 1.84 | 20 | |
| Lithium | 0.06032 | 0.00500 | 0.05 | 0.008952 | 103 | 80 - 120 | 0.06234 | 3.3 | 20 | |
| Molybdenum | 0.04954 | 0.00500 | 0.05 | 0.000755 | 97.6 | 80 - 120 | 0.05005 | 1.02 | 20 | |
| Selenium | 0.0567 | 0.00500 | 0.05 | 0.004482 | 104 | 80 - 120 | 0.05571 | 1.76 | 20 | |
| Thallium | 0.04948 | 0.00200 | 0.05 | 0 | 99.0 | 80 - 120 | 0.05048 | 2 | 20 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

**QC BATCH REPORT**

**Batch ID: 236049 ( 0 )** **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

**PDS** Sample ID: **HS25110794-02PDS** Units: **mg/L** Analysis Date: **01-Dec-2025 17:21**
Client ID: **MW-48** Run ID: **ICPMS06_527392** SeqNo: **9169140** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.1062 | 0.00200 | 0.1 | 0.000081 | 106 | 75 - 125 | | | | |
| Arsenic | 0.1099 | 0.00200 | 0.1 | 0.005959 | 104 | 75 - 125 | | | | |
| Barium | 0.1203 | 0.00500 | 0.1 | 0.02215 | 98.2 | 75 - 125 | | | | |
| Beryllium | 0.1009 | 0.00200 | 0.1 | 0.000002 | 101 | 75 - 125 | | | | |
| Cadmium | 0.101 | 0.00200 | 0.1 | 0.000015 | 101 | 75 - 125 | | | | |
| Chromium | 0.1029 | 0.00500 | 0.1 | 0.000366 | 103 | 75 - 125 | | | | |
| Cobalt | 0.09959 | 0.00200 | 0.1 | 0.000011 | 99.6 | 75 - 125 | | | | |
| Lead | 0.103 | 0.00200 | 0.1 | 0.000005 | 103 | 75 - 125 | | | | |
| Lithium | 0.1123 | 0.00500 | 0.1 | 0.008952 | 103 | 70 - 125 | | | | |
| Molybdenum | 0.09865 | 0.00500 | 0.1 | 0.000755 | 97.9 | 75 - 125 | | | | |
| Selenium | 0.1065 | 0.00500 | 0.1 | 0.004482 | 102 | 75 - 125 | | | | |
| Thallium | 0.1035 | 0.00200 | 0.1 | -0.000003 | 103 | 75 - 125 | | | | |

**SD** Sample ID: **HS25110794-02SD** Units: **mg/L** Analysis Date: **01-Dec-2025 17:09**
Client ID: **MW-48** Run ID: **ICPMS06_527392** SeqNo: **9169135** PrepDate: **25-Nov-2025** DF: **5**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %D | %D Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 0.00130 | 0.0100 | | | | | 0.000081 | 0 | 10 | |
| Arsenic | 0.009112 | 0.0100 | | | | | 0.005959 | 0 | 10 | J |
| Barium | 0.02243 | 0.0250 | | | | | 0.02215 | 0 | 10 | J |
| Beryllium | < 0.00300 | 0.0100 | | | | | 0.000002 | 0 | 10 | |
| Cadmium | < 0.00210 | 0.0100 | | | | | 0.000015 | 0 | 10 | |
| Chromium | < 0.00865 | 0.0250 | | | | | 0.000366 | 0 | 10 | |
| Cobalt | < 0.00265 | 0.0100 | | | | | 0.000011 | 0 | 10 | |
| Lead | < 0.00235 | 0.0100 | | | | | 0.000005 | 0 | 10 | |
| Lithium | 0.008533 | 0.0250 | | | | | 0.008952 | 0 | 10 | J |
| Molybdenum | < 0.00200 | 0.0250 | | | | | 0.000755 | 0 | 10 | |
| Selenium | < 0.00500 | 0.0250 | | | | | 0.004482 | 0 | 10 | |
| Thallium | < 0.00350 | 0.0100 | | | | | -0.000003 | 0 | 10 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25110794-01 | HS25110794-02 | HS25110794-03 | HS25110794-04 |
| HS25110794-05 | HS25110794-06 | HS25110794-07 | HS25110794-08 |
| HS25110794-09 | HS25110794-10 | HS25110794-11 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** HS25110794

**QC BATCH REPORT**

**Batch ID: 236076 ( 0 )** **Instrument: HG05** **Method: MERCURY BY SW7470A**

**MBLK** Sample ID: **MBLK-236076** Units: **mg/L** Analysis Date: **25-Nov-2025 16:57**
Client ID: Run ID: **HG05_527179** SeqNo: **9164351** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | < 0.0000300 | 0.000200 | | | | | | | | |

**LCS** Sample ID: **LCS-236076** Units: **mg/L** Analysis Date: **25-Nov-2025 16:58**
Client ID: Run ID: **HG05_527179** SeqNo: **9164352** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00499 | 0.000200 | 0.005 | 0 | 99.8 | 80 - 120 | | | | |

**MS** Sample ID: **HS25110794-02MS** Units: **mg/L** Analysis Date: **25-Nov-2025 17:07**
Client ID: **MW-48** Run ID: **HG05_527179** SeqNo: **9164355** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00527 | 0.000200 | 0.005 | -0.000025 | 106 | 75 - 125 | | | | |

**MSD** Sample ID: **HS25110794-02MSD** Units: **mg/L** Analysis Date: **25-Nov-2025 17:09**
Client ID: **MW-48** Run ID: **HG05_527179** SeqNo: **9164356** PrepDate: **25-Nov-2025** DF: **1**

| Analyte | Result | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00524 | 0.000200 | 0.005 | -0.000025 | 105 | 75 - 125 | 0.00527 | 0.571 | 20 | |

**The following samples were analyzed in this batch:**

| | | | |
|---|---|---|---|
| HS25110794-01 | HS25110794-02 | HS25110794-03 | HS25110794-04 |
| HS25110794-05 | HS25110794-06 | HS25110794-07 | HS25110794-08 |
| HS25110794-09 | HS25110794-10 | HS25110794-11 | |

**Client:** TRC
**Project:** NRG Limestone - Appendix IV
**WorkOrder:** **HS25110794**

**QUALIFIERS, ACRONYMS, UNITS**

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| M | Manually integrated, see raw data for justification |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL/SDL |

| Acronym | Description |
|---|---|
| DCS | Detectability Check Study |
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitaion Limit |
| SD | Serial Dilution |
| SDL | Sample Detection Limit |
| TRRP | Texas Risk Reduction Program |

## CERTIFICATIONS,ACCREDITATIONS & LICENSES

| Agency | Number | Expire Date |
|---|---|---|
| Arizona | AZ0793 | 27-May-2026 |
| Arkansas | 88-00356_2024 | 17-Mar-2026 |
| California | 2919 - 2025 | 30-Apr-2026 |
| Dept of Defense | L24-240-R4 | 30-Apr-2026 |
| Dept of Defense | L24-239-R1 | 30-Apr-2026 |
| Florida | E87611-2025 | 30-Jun-2026 |
| Illinois | 200032 - 2025 | 31-Jul-2026 |
| Kansas | KS-C25-00168 | 31-Jul-2026 |
| Kentucky | 123043-2025 | 30-Apr-2026 |
| Louisiana | 03087-2025 | 30-Jun-2026 |
| Maine | 2024017 | 23-Jun-2026 |
| Maryland | 343-2025-26 | 30-Jun-2026 |
| Michigan | 9971-2025 | 30-Apr-2026 |
| Minnesota | 2856348 | 31-Dec-2025 |
| Missouri | 136 | 30-Sep-2026 |
| Nebraska | NE-OS-25-13 - 2025 | 30-Apr-2026 |
| Nevada | NV-C25-00124 - 2025 | 31-Jul-2026 |
| New Hampshire | 209425 | 24-Apr-2026 |
| New Jersey | TX008-2025 | 30-Jun-2026 |
| New York | 11707 - 2025 | 01-Apr-2026 |
| North Carolina | 624 - 2024 | 31-Dec-2025 |
| Oklahoma | 2023-140 | 31-Dec-2025 |
| Oregon | TX200002-013 | 15-May-2026 |
| Pennsylvania | 019 | 01-Jul-2026 |
| Tennessee | TN | 30-Apr-2026 |
| Texas | TX-C25-00104 | 30-Apr-2026 |
| Utah | TX026932025-17 | 31-Jul-2026 |

## Sample Receipt Checklist

**Work Order ID:** HS25110794 **Date/Time Received:** **18-Nov-2025 11:21**

**Client Name:** TRC-HOU **Received by:** **Liam Senior**

| **Completed By:** | */S/ Liam Senior* | 18-Nov-2025 16:25 | **Reviewed by:** | */S/ Beverly Mustafa* | 19-Nov-2025 08:06 |
|---|---|---|---|---|---|
| | eSignature | Date/Time | | eSignature | Date/Time |

Matrices: **water** Carrier name: **Client**

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | 2 Page(s) |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | COC IDs:351752, 351751 |
| Samplers name present on COC? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 1.1UC/1.1C | IR37 | |
| Cooler(s)/Kit(s): | 45086 | | |
| Date/Time sample(s) sent to storage: | 11/18/2025 16:25 | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | | | |

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

# Chain of Custody Form

Page 1 of 2

COC ID: 351752

| ALS Project Manager: | | ALS Work Order #: | |
|---|---|---|---|

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | Limestone NRG ~~WA Parish~~ - Appendix IV | A | HG_W (Mercury)- Appendix IV |
| Work Order | | Project Number | | B | ICP_TW (Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl) App IV |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan)- App IV |
| Send Report To | Lori Burns | Invoice Attn | A/P | D | |
| Address | 14701 St. Mary's Lane<br>Suite 500 | Address | 11767 Katy Freeway<br>Suite 850 | E<br>F | |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | |
| Phone | (713) 244-1000 | Phone | (713) 244-1099 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurns@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

**HS25110794**
TRC
NRG Limestone - Appendix IV

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-47 | 11/17/25 | 1200 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 2 | MW-48 | | 915 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 3 | MW-49 | | 1035 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 4 | MW-50 | | 1125 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 5 | MW-05 | | 1100 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 6 | MW-09 | | 1300 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 7 | MW-16 | | 920 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 8 | MW-51 | | 1215 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 9 | MW-52 | | 1305 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 10 | MW-53 | | 1010 | Water | 2,8 | 2 | X | X | X | | | | | | | | |

| Sampler(s) Please Print & Sign | Shipment Method | Required Turnaround Time: (Check Box) | Results Due Date: |
|---|---|---|---|
| Brian Hillin/HMI Team | Consult. Drop off | ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other | |

| Relinquished by: | Date: | Time: | Received by: | Notes: |
|---|---|---|---|---|
| | 11/18/25 | 1121 | 11/18/25 1121 | NRG CCR//PRIVILEGED & CONFIDENTIAL |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | Cooler ID / Cooler Temp. / QC Package: (Check One Box Below) |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | 5H096 1.1<br>53371 0.9 |

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

# Chain of Custody Form



COC ID: 351751

ALS Project Manager: | ALS Work Order #:

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | |
|---|---|---|---|---|---|
| Purchase Order | 227697 | Project Name | Limestone NRG ~~WA Parish~~ - Appendix IV | A | HG_W (Mercury)- Appendix IV |
| Work Order | | Project Number | | B | ICP_TW (Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl) App IV |
| Company Name | TRC Corporation | Bill To Company | TRC | C | Sub_Fluoride (Sub Fluoride to ALS Michigan)- App IV |
| Send Report To | Lori Burris | Invoice Attn | A/P | D | |
| Address | 14701 St. Mary's Lane Suite 500 | Address | 11767 Katy Freeway Suite 850 | E | HS25110794 |
| | | | | F | TRC |
| City/State/Zip | Houston, TX 77079 | City/State/Zip | Houston TX 77079 | G | NRG Limestone - Appendix IV |
| Phone | (713) 244-1000 | Phone | (713) 244-1000 | H | |
| Fax | (713) 244-1099 | Fax | (713) 244-1099 | I | |
| e-Mail Address | LBurris@trcsolutions.com | e-Mail Address | apinvoiceapproval@trcsolutions.com | J | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-48-MS | 11/17/25 | 915 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 2 | MW-48-MSD | ↓ | 915 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 3 | ~~MW-48-DUP~~ Field Dup | | 1000 | Water | 2,8 | 2 | X | X | X | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Brian Hillin/HmE Tem

Shipment Method: Consult. Drop off

Required Turnaround Time: (Check Box) ☐ Other ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

| Relinquished by: | Date: | Time: | Received by: | Notes: |
|---|---|---|---|---|
| | 11/18/25 | 1121 | 11/18/25 1121 | NRG CCR□PRIVILEGED & CONFIDENTIAL |
| Relinquished by: | Date: | Time: | Received by (Laboratory): | |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

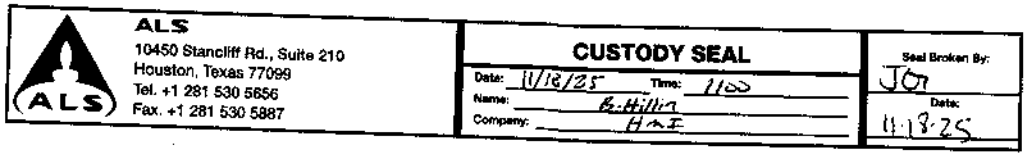
| Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) |
|---|---|---|
| | | ☐ Level II Std QC ☒ TRRP Checklist |
| | | ☐ Level III Std QC/Raw Data ☐ TRRP Level IV |
| | | ☐ Level IV SW846/CLP |
| | | ☐ Other |

Preservative Key: 1-HCl 2-$HNO_3$ 3-$H_2SO_4$ 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

Privileged and Confidential


ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUSTODY SEAL
Date: 11/18/25 Time: 1100
Name: B. Hillin
Company: H&I
Seal Broken By:
JD
Date:
11.18.25

05-Dec-2025

Andrew Neir
ALS Environmental
10450 Stancliff Rd
Suite 210
Houston, TX  77099

Re: **HS25110794** Work Order: **25110105**

Dear Andrew, Revision: **1**

ALS Environmental received 11 samples on 19-Nov-2025 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications.  Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070  FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

**Client:** ALS Environmental
**Project:** HS25110794
**Work Order:** 25110105

# TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory case narrative, and the following reportable data:

R1 Field chain-of-custody documentation:
R2 Sample identification cross-reference
R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC Chapter 5
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies:
See Case Narrative.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached Case Narrative and QC Summaries. By my 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, and no information affecting the quality of the data has been knowingly withheld.

**Chelsey Cook**

Chelsey Cook
Project Manager

**Revision: 1**

# WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| | | | |
|---|---|---|---|
| Wet Chemistry | Batch Number: TITRATOR 1_251121A | Instrument ID: TITRATOR1 | |
| Method: FL_4500C_W | Work order Number (s): 25110105 | | |
| Analyst Name: KB | Date: 11/21/25 | Reviewer Name: JB | Date: 11/24/25 |

| | A[1] | Description | Yes | No | NA[2] | NR[3] | ER#[4] |
|---|---|---|---|---|---|---|---|
| *R1* | I | Chain-of-Custody | | | | | |
| | | 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? | | | X | | |
| | | 2) Were all departures from standard conditions described in an exception report? | | | X | | |
| **R2** | I | **SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION** | | | | | |
| | | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? | | | X | | |
| | | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data? | | | X | | |
| **R3** | I | **TEST REPORTS** | | | | | |
| | | 1) Were all samples prepared and analyzed within holding times? | X | | | | |
| | | 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? | X | | | | |
| | | 3) Were calculations checked by a peer or supervisor? | X | | | | |
| | | 4) Were all analyte identifications checked by a peer or supervisor? | X | | | | |
| | | 5) Were sample quantitation limits reported for all analytes not detected? | X | | | | |
| | | 6) Were all results for soil and sediment samples reported on a dry weight basis? | | | X | | |
| | | 7) Was % moisture (or solids) reported for all soil and sediment samples? | | | X | | |
| | | 8) If required for the project, TICs reported? | | | X | | |
| **R4** | I | **SURROGATE RECOVERY DATA** | | | | | |
| | | 1) Were surrogates added prior to extraction? | | | X | | |
| | | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits? | | | X | | |
| **R5** | I | **TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES** | | | | | |
| | | 1) Were appropriate type(s) of blanks analyzed? | X | | | | |
| | | 2) Were blanks analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X | | | | |
| | | 4) Were blank concentrations < ½ MQL? | X | | | | |
| **R6** | I | **LABORATORY CONTROL SAMPLES (LCS):** | | | | | |
| | | 1) Were all COCs included in the LCS? | X | | | | |
| | | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? | X | | | | |
| | | 3) Were LCSs analyzed at the required frequency? | X | | | | |
| | | 4) Were LCS and LCSD %Rs within the laboratory QC limits? | X | | | | |
| | | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs? | X | | | | |
| | | 6) Was the LCSD RPD within QC limits? | X | | | | |
| **R7** | I | **MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA** | | | | | |
| | | 1) Were the project or method specified analytes included in the MS and MSD? | X | | | | |
| | | 2) Were MS/MSD analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were MS and MSD %Rs within the laboratory QC limits? | X | | | | |
| | | 4) Were MS/MSD RPDs within laboratory QC limits? | X | | | | |
| **R8** | I | **ANALYTICAL DUPLICATE DATA (IF REQUIRED)** | | | | | |
| | | 1) Were appropriate analytical duplicates analyzed for each matrix? | X | | | | |
| | | 2) Were analytical duplicates analyzed at the appropriate frequency? | X | | | | |
| | | 3) Were RPDs or relative standard deviations within the laboratory QC limits? | X | | | | |
| **R9** | I | **METHOD QUANTITATION LIMITS (MQLS):** | | | | | |
| | | 1) Are the MQLs for each method analyte listed and included in the laboratory data package? | X | | | | |
| | | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? | X | | | | |
| | | 3) Are unadjusted MQLs included in the laboratory data package? | | | X | | |
| **R10** | I | **OTHER PROBLEMS/ANOMALIES** | | | | | |
| | | 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? | X | | | | |
| | | 2) Were all necessary corrective actions performed for the reported data? | X | | | | |
| | | 3) If requested, is the justification for elevated SQLs documented? | | | X | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S1** | I | **INITIAL CALIBRATION (ICAL)** | | | | | |
| | | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits? | | | X | | |
| | | 2) Were percent RSDs or correlation coefficient criteria met? | X | | | | |
| | | 3) Was the number of standards recommended in the method used for all analytes? | X | | | | |
| | | 4) Were all points generated between the lowest and highest standard used to calculate the curve? | X | | | | |
| | | 5) Are ICAL data available for all instruments used? | X | | | | |
| | | 6) Has the initial calibration curve been verified using an appropriate second source standard? | X | | | | |
| S2 | I | **INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND** | | | | | |
| | | 1) Was the CCV analyzed at the method-required frequency? | X | | | | |
| | | 2) Were percent differences for each analyte within the method-required QC limits? | X | | | | |
| | | 3) Was the ICAL curve verified for each analyte? | X | | | | |
| | | 4) Was the absolute value of the analyte concentration in the organic CCB < MDL? | X | | | | |
| S3 | I | **MASS SPECTRAL TUNING:** | | | | | |
| | | 1) Was the appropriate compound for the method used for tuning? | | | X | | |
| | | 2) Were ion abundance data within the method-required QC limits? | | | X | | |
| S4 | I | **INTERNAL STANDARDS (IS):** | | | | | |
| | | Were IS area counts within the method-required QC limits? | | | X | | |
| S5 | I | **RAW DATA** | | | | | |
| | | 1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst? | X | | | | |
| | | 2) Were data associated with manual integrations flagged on the raw data? | X | | | | |
| S6 | I | **DUAL COLUMN CONFIRMATION (IF REQUIRED)** | | | | | |
| | | Did dual column confirmation results meet the method-required QC? | | | X | | |
| S7 | I | **TENTATIVELY IDENTIFIED COMPOUNDS (TICS):** | | | | | |
| | | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks? | | | X | | |
| S8 | I | **INTERFERENCE CHECK SAMPLE (ICS) RESULTS:** | | | | | |
| | | Were percent recoveries within method QC limits? | | | X | | |
| S9 | I | **SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD** | | | | | |
| | | Were percent differences, recoveries, and the linearity within the QC limits specified in the method? | | | X | | |
| S10 | I | **PROFICIENCY TEST REPORTS:** | | | | | |
| | | Are proficiency testing or inter-laboratory comparison results on file? | X | | | | |
| S11 | I | **METHOD DETECTION LIMIT (MDL) STUDIES** | | | | | |
| | | 1) Was a MDL study performed for each reported analyte? | X | | | | |
| | | 2) Is the MDL either adjusted or supported by the analysis of DCSs? | X | | | | |
| S12 | I | **STANDARDS DOCUMENTATION** | | | | | |
| | | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources? | X | | | | |
| S13 | I | **COMPOUND/ANALYTE IDENTIFICATION PROCEDURES** | | | | | |
| | | Are the procedures for compound/analyte identification documented? | X | | | | |
| S14 | I | **DEMONSTRATION OF ANALYST COMPETENCY (DOC)** | | | | | |
| | | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2? | X | | | | |
| | | 2) Is documentation of the analyst's competency up-to-date and on file? | X | | | | |
| S15 | I | **VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS** | | | | | |
| | | Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X | | | | |
| S16 | I | **LABORATORY STANDARD OPERATING PROCEDURES (SOPS):** | | | | | |
| | | Are laboratory SOPs current and on file for each method performed? | X | | | | |

1 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
2 NA = Not applicable.
3 NR = Not Reviewed.
4 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

## WET CHEMISTRY DATA ASSESSMENT CHECKLIST

| Wet Chemistry | Batch Number: | |
|---|---|---|

| ER #[1] | DESCRIPTION |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**Client:** ALS Environmental
**Project:** HS25110794
**Work Order:** **25110105**

## Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|---|---|---|---|---|---|---|
| 25110105-01 | MW-47 | Water | HS25110794-01 | 11/17/2025 12:00 | 11/19/2025 10:00 | ☐ |
| 25110105-02 | MW-48 | Water | HS25110794-02 | 11/17/2025 09:15 | 11/19/2025 10:00 | ☐ |
| 25110105-03 | MW-49 | Water | HS25110794-03 | 11/17/2025 10:35 | 11/19/2025 10:00 | ☐ |
| 25110105-04 | MW-50 | Water | HS25110794-04 | 11/17/2025 11:25 | 11/19/2025 10:00 | ☐ |
| 25110105-05 | MW-06 | Water | HS25110794-05 | 11/17/2025 11:00 | 11/19/2025 10:00 | ☐ |
| 25110105-06 | MW-09 | Water | HS25110794-06 | 11/17/2025 13:00 | 11/19/2025 10:00 | ☐ |
| 25110105-07 | MW-16 | Water | HS25110794-07 | 11/17/2025 09:20 | 11/19/2025 10:00 | ☐ |
| 25110105-08 | MW-51 | Water | HS25110794-08 | 11/17/2025 12:15 | 11/19/2025 10:00 | ☐ |
| 25110105-09 | MW-52 | Water | HS25110794-09 | 11/17/2025 13:05 | 11/19/2025 10:00 | ☐ |
| 25110105-10 | MW-53 | Water | HS25110794-10 | 11/17/2025 10:10 | 11/19/2025 10:00 | ☐ |
| 25110105-11 | Field Dup | Water | HS25110794-11 | 11/17/2025 10:00 | 11/19/2025 10:00 | ☐ |

**Client:** ALS Environmental
**Project:** HS25110794
**WorkOrder:** **25110105**

# QUALIFIERS, ACRONYMS, UNITS

| Qualifier | Description |
|---|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n | Analyte accreditation is not offered |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| Acronym | Description |
|---|---|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| Units Reported | Description |
|---|---|
| mg/L | Milligrams per Liter |

| | |
|---|---|
| **Client:** | ALS Environmental |
| **Project:** | HS25110794 |
| **Work Order:** | 25110105 |

## Case Narrative

Samples for the above noted Work Order were received on 11/19/2025. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Wet Chemistry:
No deviations or anomalies were noted.

**Work Order:** 25110105
**Client:** ALS Environmental
**Project:** HS25110794

# DATES REPORT

| Sample ID | Client Sample ID | Matrix | Collection Date | TCLP Date | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|
| **Batch ID** R425801 | **Test Name:** Fluoride | | | | | |
| 25110105-01 | MW-47 | Water | 11/17/2025 12:00:00 PM | | | 11/21/2025 02:15 PM |
| 25110105-02 | MW-48 | | 11/17/2025 9:15:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-03 | MW-49 | | 11/17/2025 10:35:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-04 | MW-50 | | 11/17/2025 11:25:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-05 | MW-06 | | 11/17/2025 11:00:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-06 | MW-09 | | 11/17/2025 1:00:00 PM | | | 11/21/2025 02:15 PM |
| 25110105-07 | MW-16 | | 11/17/2025 9:20:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-08 | MW-51 | | 11/17/2025 12:15:00 PM | | | 11/21/2025 02:15 PM |
| 25110105-09 | MW-52 | | 11/17/2025 1:05:00 PM | | | 11/21/2025 02:15 PM |
| **Batch ID** R425801 | **Test Name:** Fluoride | | | | | |
| 25110105-10 | MW-53 | Water | 11/17/2025 10:10:00 AM | | | 11/21/2025 02:15 PM |
| 25110105-11 | Field Dup | | 11/17/2025 10:00:00 AM | | | 11/21/2025 02:15 PM |

**Revision: 1**

**WorkOrder:** 25110105
**InstrumentID:** Titrator 1
**Test Code:** FL_4500C_W
**Test Number:** A4500-F C-11
**Test Name:** Fluoride

# METHOD DETECTION / REPORTING LIMITS

**Matrix:** Water **Units:** mg/L

| Type | Analyte | CAS | DCS | MDL | Unadjusted MQL |
|---|---|---|---|---|---|
| A | Fluoride | 16984-48-8 | 0 | 0.058 | 0.10 |

## ALS Group, USA

**Date:** *05-Dec-25*

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-47
**Collection Date:** 11/17/2025 12:00 PM

**Work Order:** 25110105
**Lab ID:** 25110105-01
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.500** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-48
**Collection Date:** 11/17/2025 09:15 AM

**Work Order:** 25110105
**Lab ID:** 25110105-02
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.520** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-49
**Collection Date:** 11/17/2025 10:35 AM

**Work Order:** 25110105
**Lab ID:** 25110105-03
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.120** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-50
**Collection Date:** 11/17/2025 11:25 AM

**Work Order:** 25110105
**Lab ID:** 25110105-04
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.0800** | J | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-06
**Collection Date:** 11/17/2025 11:00 AM

**Work Order:** 25110105
**Lab ID:** 25110105-05
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.300** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-09
**Collection Date:** 11/17/2025 01:00 PM

**Work Order:** 25110105
**Lab ID:** 25110105-06
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.230** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-16
**Collection Date:** 11/17/2025 09:20 AM

**Work Order:** 25110105
**Lab ID:** 25110105-07
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.850** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-51
**Collection Date:** 11/17/2025 12:15 PM

**Work Order:** 25110105
**Lab ID:** 25110105-08
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.370** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-52
**Collection Date:** 11/17/2025 01:05 PM

**Work Order:** 25110105
**Lab ID:** 25110105-09
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.230** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** MW-53
**Collection Date:** 11/17/2025 10:10 AM

**Work Order:** 25110105
**Lab ID:** 25110105-10
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.580** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

**Client:** ALS Environmental
**Project:** HS25110794
**Sample ID:** Field Dup
**Collection Date:** 11/17/2025 10:00 AM

**Work Order:** 25110105
**Lab ID:** 25110105-11
**Matrix:** WATER

| Analyses | Result | Qual | SDL | MQL | Units | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **FLUORIDE** | | Method: **A4500-F C-11** | | | | | Analyst: **KLB** |
| **Fluoride** | **0.570** | | **0.058** | **0.10** | **mg/L** | 1 | 11/21/2025 14:15 |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Revision: 1**

Batch ID: **R425801a** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R425801-R425801a** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685377** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.08 | 0.058 | 0.10 | | | | | | | | J |

**LCS** Sample ID: **LCS-R425801-R425801a** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685378** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 4.93 | 0.058 | 0.10 | 5 | 0 | 98.6 | 90-111 | 0 | | | |

**MS** Sample ID: **25110104-05AMS** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685384** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.29 | 0.058 | 0.10 | 5 | 0.53 | 95.2 | 90-111 | 0 | | | |

**MS** Sample ID: **25110105-02AMS** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: **MW-48** Run ID: **TITRATOR 1_251121A** SeqNo: **11685394** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.47 | 0.058 | 0.10 | 5 | 0.52 | 99 | 90-111 | 0 | | | |

**MSD** Sample ID: **25110104-05AMSD** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685385** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.37 | 0.058 | 0.10 | 5 | 0.53 | 96.8 | 90-111 | 5.29 | 1.5 | 20 | |

**MSD** Sample ID: **25110105-02AMSD** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**

Client ID: **MW-48** Run ID: **TITRATOR 1_251121A** SeqNo: **11685395** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.52 | 0.058 | 0.10 | 5 | 0.52 | 100 | 90-111 | 5.47 | 0.91 | 20 | |

**The following samples were analyzed in this batch:**

| | | |
|---|---|---|
| 25110105-01A | 25110105-02A | 25110105-03A |
| 25110105-04A | 25110105-05A | 25110105-06A |
| 25110105-07A | 25110105-08A | 25110105-09A |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Revision: 1**

**Client:** ALS Environmental
**Work Order:** 25110105
**Project:** HS25110794

# QC BATCH REPORT

Batch ID: **R425801b** Instrument ID **Titrator 1** Method: **A4500-F C-11**

**MBLK** Sample ID: **MB-R425801-R425801b** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**
Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685403** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | U | 0.058 | 0.10 | | | | | | | | |

**LCS** Sample ID: **LCS-R425801-R425801b** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**
Client ID: Run ID: **TITRATOR 1_251121A** SeqNo: **11685404** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.1 | 0.058 | 0.10 | 5 | 0 | 102 | 90-111 | 0 | | | |

**MS** Sample ID: **25110105-10AMS** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**
Client ID: **MW-53** Run ID: **TITRATOR 1_251121A** SeqNo: **11685406** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.52 | 0.058 | 0.10 | 5 | 0.58 | 98.8 | 90-111 | 0 | | | |

**MSD** Sample ID: **25110105-10AMSD** Units: **mg/L** Analysis Date: **11/21/2025 02:15 PM**
Client ID: **MW-53** Run ID: **TITRATOR 1_251121A** SeqNo: **11685407** Prep Date: DF: **1**

| Analyte | Result | MDL | MQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 5.66 | 0.058 | 0.10 | 5 | 0.58 | 102 | 90-111 | 5.52 | 2.5 | 20 | |

**The following samples were analyzed in this batch:** 25110105-10A 25110105-11A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Revision: 1**

25110105

ALS - HOUSTON: ALS Environmental

Project: HS25110794

10450 Stancliff Rd, Ste 210
Houston, TX 77099
**T:** +1 281 530 5656
**F:** +1 281 530 5887
**www.alsglobal.com**

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas**

**COC ID:** **29882**

**SUBCONTRACT TO:**

ALS Group USA, Corp.
3352 - 128th Ave
Holland, MI 494249263

**Phone:** +1 616 399 6070

**CUSTOMER INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Andy C. Neir |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Email:** | Andrew.Neir@ALSGlobal.com |
| **Alternate Contact:** | Jumoke M. Lawal |
| **Email:** | jumoke.lawal@alsglobal.com |

**INVOICE INFORMATION:**

| | |
|---|---|
| **Company:** | ALS Houston |
| **Contact:** | Accounts Payable |
| **Address:** | 10450 Stancliff Rd, Ste 210 |
| **Phone:** | +1 281 530 5656 |
| **Reference:** | HS25110794 |
| **TSR:** | Jennifer Jonas |

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| 1. | **HS25110794-01** | **MW-47** | **Water** | **17 Nov 2025 12:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 2. | **HS25110794-02** | **MW-48** | **Water** | **17 Nov 2025 09:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 3. | **HS25110794-03** | **MW-49** | **Water** | **17 Nov 2025 10:35** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 4. | **HS25110794-04** | **MW-50** | **Water** | **17 Nov 2025 11:25** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 5. | **HS25110794-05** | **MW-06** | **Water** | **17 Nov 2025 11:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 6. | **HS25110794-06** | **MW-09** | **Water** | **17 Nov 2025 13:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 7. | **HS25110794-07** | **MW-16** | **Water** | **17 Nov 2025 09:20** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 8. | **HS25110794-08** | **MW-51** | **Water** | **17 Nov 2025 12:15** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| 9. | **HS25110794-09** | **MW-52** | **Water** | **17 Nov 2025 13:05** |

# Subcontract Chain of Custody

**SAMPLING STATE:** **Texas** **COC ID: 29882**

| | LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | COLLECT DATE |
|---|---|---|---|---|
| | ANALYSIS REQUESTED | | | DUE DATE |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| **10.** | **HS25110794-10** | **MW-53** | **Water** | **17 Nov 2025 10:10** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |
| **11.** | **HS25110794-11** | **Field Dup** | **Water** | **17 Nov 2025 10:00** |
| | Fluoride by ISE 4500. EQuis EDD | | | 25 Nov 2025 |

**Comments:** Please analyze for the analysis listed above.
Send report to the emails shown above.
MW-48 MS/MSD

**QC Level:** TRRP LRC (TRRP checklist only+Level II (normal))

Relinquished By: LS Date/Time: 11/18/25 1800

Received By: Date/Time: 11-19-25 1000

Cooler ID(s): Temperature(s): 2.2 IR6



Privileged and Confidential

ALS Group, USA
Holland, Michigan

## Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **19-Nov-25 10:00**

Work Order: **25110105** Received by: **JD**

Checklist completed by Jason Delinger (eSignature) 19-Nov-25 (Date) Reviewed by: Chelsey Cook (eSignature) 20-Nov-25 (Date)

Matrices: Water
Carrier name: FedEx

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | |
| Sample(s) received on ice? | Yes ☑ | No ☐ | |
| Temperature(s)/Thermometer(s): | 2.2/2.2 c | ir6 | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | 11/19/2025 2:51:43 PM | | |
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials submitted ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ |
| pH adjusted? | Yes ☐ | No ☑ | N/A ☐ |
| pH adjusted by: | - | | |

Login Notes: ph<2

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Privileged and Confidential

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Lori Burris
TRC Solutions, Inc.
11767 Katy Freeway
Suite 850
Houston, Texas 77079

Generated 12/18/2025 10:34:38 AM

## JOB DESCRIPTION

NRG Limestone

## JOB NUMBER

160-60439-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.



my EOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated
12/18/2025 10:34:38 AM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 3
Case Narrative . . . . . 4
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 16
QC Association Summary . . . . . 18
Tracer Carrier Summary . . . . . 19

**Job Narrative**
**160-60439-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

**Receipt**
The samples were received on 11/20/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 15.9°C and 18.0°C.

**Method 903.0 - Radium-226 (GFPC)**
Samples MW-47 (160-60439-1), MW-48 (160-60439-2), MW-48 (160-60439-2MS), MW-48 (160-60439-2MSD), MW-49 (160-60439-3), MW-50 (160-60439-4), MW-06 (160-60439-5), MW-09 (160-60439-6), MW-16 (160-60439-7), MW-51 (160-60439-8), MW-52 (160-60439-9), MW-53 (160-60439-10) and Field Dup (160-60439-11) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/24/2025 and analyzed on 12/16/2025.

**Method 904.0 - Radium-228 (GFPC)**
Samples MW-47 (160-60439-1), MW-48 (160-60439-2), MW-48 (160-60439-2MS), MW-48 (160-60439-2MSD), MW-49 (160-60439-3), MW-50 (160-60439-4), MW-06 (160-60439-5), MW-09 (160-60439-6), MW-16 (160-60439-7), MW-51 (160-60439-8), MW-52 (160-60439-9), MW-53 (160-60439-10) and Field Dup (160-60439-11) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/24/2025 and analyzed on 12/15/2025.

Radium 228 Prep Batch 746725:
The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 136%: (LCS 160-746725/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. MW-09 (160-60439-6)

**Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228**
Samples MW-47 (160-60439-1), MW-48 (160-60439-2), MW-48 (160-60439-2MS), MW-48 (160-60439-2MSD), MW-49 (160-60439-3), MW-50 (160-60439-4), MW-06 (160-60439-5), MW-09 (160-60439-6), MW-16 (160-60439-7), MW-51 (160-60439-8), MW-52 (160-60439-9), MW-53 (160-60439-10) and Field Dup (160-60439-11) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/17/2025.

**Eurofins TestAmerica, St. Louis**
13715 Rider Trail North

Earth City, MO 63045-1205
phone 314.298.8566 fax 314.298.8757

# Chain of Custody Record

eurofins | Environment Testing TestAmerica

**Regulatory Program:** ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

**TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica**

| Client Contact | Project Manager: Lori Burris | Site Contact: | Date: | COC No: |
|---|---|---|---|---|
| TRC | Email:LBurris@trcsolutions.com | Lab Contact: | Carrier: | 1 of 1 COCs |
| 11767 Katy Freeway | Tel/Fax:281.798.9346 | | | Sampler: |
| Houston, TX 77079 | Analysis Turnaround Time | | | For Lab Use Only: |
| (281) 798-9346 Phone | ☐ CALENDAR DAYS ☐ WORKING DAYS | | | Walk-in Client: |
| (xxx) xxx-xxxx FAX | TAT if different from Below _____ | | | Lab Sampling: |
| Project Name: NRG Limestone | ☐ 2 weeks | | | |
| Site: | ☐ 1 week | | | Job / SDG No.: |
| P O # | ☐ 2 days ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | Radium 226 | Radium 223 | Ra 226 + 228 combined Calc | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-47 | 11/17/25 | 1200 | G | water | 2 | | | X | X | X | |
| MW-48 | | 915 | | water | 6 | | Y | X | X | X | MS/MSD |
| MW-49 | | 1035 | | water | 2 | | | X | X | X | |
| MW-50 | | 1125 | | water | 2 | | | X | X | X | |
| MW-06 | | 1100 | | water | 2 | | | X | X | X | |
| MW-09 | | 1300 | | water | 2 | | | X | X | X | |
| MW-16 | | 920 | | water | 2 | | | X | X | X | |
| MW-51 | | 1215 | | water | 2 | | | X | X | X | |
| MW-52 | | 1305 | | water | 2 | | | X | X | X | |
| MW-53 | | 1010 | | water | 2 | | | X | X | X | |
| Field Dup | ↓ | 1000 | ↓ | water | 2 | | | X | X | X | |

160-60439 Chain of Custody

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

**Special Instructions/QC Requirements & Comments:**

3.5° AND 2.8° IR HOU-368

| Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____ |
|---|---|---|---|

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | HMI | 11/18/25 1140 | | EF | 11-18-25 1146 |
| Relinquished by: | Company: | Date/Time: | Received by: M. Pinnette | Company: EASTL | Date/Time: 11/20/25 0830 |
| Relinquished by: | Company: EF | Date/Time: 11-19-25 1700 | Received in Laboratory by: | Company: | Date/Time: |

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019



12/18/2025

# Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 160-60439-1

**Login Number: 60439**
**List Number: 1**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Samplers name is not on the COC |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-60439-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Method Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-60439-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| Ra226_Ra228 Pos | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-60439-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 160-60439-1 | MW-47 | Water | 11/17/25 12:00 | 11/20/25 08:30 | Texas |
| 160-60439-2 | MW-48 | Water | 11/17/25 09:15 | 11/20/25 08:30 | Texas |
| 160-60439-3 | MW-49 | Water | 11/17/25 10:35 | 11/20/25 08:30 | Texas |
| 160-60439-4 | MW-50 | Water | 11/17/25 11:25 | 11/20/25 08:30 | Texas |
| 160-60439-5 | MW-06 | Water | 11/17/25 11:00 | 11/20/25 08:30 | Texas |
| 160-60439-6 | MW-09 | Water | 11/17/25 13:00 | 11/20/25 08:30 | Texas |
| 160-60439-7 | MW-16 | Water | 11/17/25 09:20 | 11/20/25 08:30 | Texas |
| 160-60439-8 | MW-51 | Water | 11/17/25 12:15 | 11/20/25 08:30 | Texas |
| 160-60439-9 | MW-52 | Water | 11/17/25 13:05 | 11/20/25 08:30 | Texas |
| 160-60439-10 | MW-53 | Water | 11/17/25 10:10 | 11/20/25 08:30 | Texas |
| 160-60439-11 | Field Dup | Water | 11/17/25 10:00 | 11/20/25 08:30 | Texas |

## Client Sample ID: MW-47

**Date Collected: 11/17/25 12:00**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-1**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.325 | | 0.194 | 0.196 | 1.00 | 0.251 | pCi/L | 11/24/25 08:02 | 12/16/25 10:08 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.8* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:08* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.61 | | 0.556 | 0.576 | 1.00 | 0.676 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.8* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *75.9* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.94 | | 0.589 | 0.608 | 5.00 | 0.676 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-48

**Date Collected: 11/17/25 09:15**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-2**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0944 | U | 0.147 | 0.147 | 1.00 | 0.254 | pCi/L | 11/24/25 08:02 | 12/16/25 10:08 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.2* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:08* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.173 | U | 0.477 | 0.477 | 1.00 | 0.835 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *83.2* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *75.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.267 | U | 0.499 | 0.499 | 5.00 | 0.835 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-49

**Date Collected: 11/17/25 10:35**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-3**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.720** | | 0.264 | 0.272 | 1.00 | 0.282 | pCi/L | 11/24/25 08:02 | 12/16/25 10:08 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.2* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:08* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **1.04** | | 0.515 | 0.524 | 1.00 | 0.720 | pCi/L | 11/24/25 08:04 | 12/15/25 09:40 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.2* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |
| *Y Carrier* | *73.6* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.76** | | 0.579 | 0.590 | 5.00 | 0.720 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-50

**Date Collected: 11/17/25 11:25**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-4**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.241 | U | 0.178 | 0.179 | 1.00 | 0.249 | pCi/L | 11/24/25 08:02 | 12/16/25 10:08 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.2* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:08* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.189 | U | 0.426 | 0.427 | 1.00 | 0.744 | pCi/L | 11/24/25 08:04 | 12/15/25 09:40 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.2* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |
| *Y Carrier* | *75.9* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.430 | U | 0.462 | 0.463 | 5.00 | 0.744 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-06

**Date Collected: 11/17/25 11:00**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-5**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.368 | | 0.217 | 0.220 | 1.00 | 0.279 | pCi/L | 11/24/25 08:02 | 12/16/25 10:08 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *72.3* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:08* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.08 | | 0.639 | 0.646 | 1.00 | 0.948 | pCi/L | 11/24/25 08:04 | 12/15/25 09:40 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *72.3* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |
| *Y Carrier* | *73.6* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:40* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.45 | | 0.675 | 0.682 | 5.00 | 0.948 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-09

**Date Collected: 11/17/25 13:00**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-6**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.966 | | 0.400 | 0.409 | 1.00 | 0.429 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *61.1* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.36 | G | 0.795 | 0.805 | 1.00 | 1.14 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *61.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *72.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 2.32 | | 0.890 | 0.903 | 5.00 | 1.14 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-16

**Date Collected: 11/17/25 09:20**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-7**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.865 | | 0.326 | 0.335 | 1.00 | 0.313 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *57.1* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.44 | | 0.688 | 0.700 | 1.00 | 0.948 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *57.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *75.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 2.30 | | 0.761 | 0.776 | 5.00 | 0.948 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-51

**Date Collected: 11/17/25 12:15**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-8**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.798 | | 0.310 | 0.318 | 1.00 | 0.357 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *79.0* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.918 | | 0.506 | 0.513 | 1.00 | 0.734 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *79.0* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *75.5* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.72 | | 0.593 | 0.604 | 5.00 | 0.734 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-52

**Date Collected: 11/17/25 13:05**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-9**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.498 | | 0.282 | 0.286 | 1.00 | 0.371 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.5* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.908 | | 0.557 | 0.563 | 1.00 | 0.813 | pCi/L | 11/24/25 08:04 | 12/15/25 09:41 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.5* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |
| *Y Carrier* | *76.6* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:41* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.41 | | 0.624 | 0.631 | 5.00 | 0.813 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: MW-53

**Date Collected: 11/17/25 10:10**
**Date Received: 11/20/25 08:30**

**Lab Sample ID: 160-60439-10**
**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.386 | | 0.238 | 0.241 | 1.00 | 0.323 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *77.0* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.42 | | 0.550 | 0.565 | 1.00 | 0.704 | pCi/L | 11/24/25 08:04 | 12/15/25 09:42 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *77.0* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:42* | *1* |
| *Y Carrier* | *74.0* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:42* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.81 | | 0.599 | 0.614 | 5.00 | 0.704 | pCi/L | | 12/17/25 18:13 | 1 |

## Client Sample ID: Field Dup

**Date Collected: 11/17/25 10:00**
**Date Received: 11/20/25 08:30**

## Lab Sample ID: 160-60439-11

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.523 | | 0.222 | 0.227 | 1.00 | 0.239 | pCi/L | 11/24/25 08:02 | 12/16/25 10:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.6* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 10:09* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.680 | | 0.416 | 0.421 | 1.00 | 0.607 | pCi/L | 11/24/25 08:04 | 12/15/25 09:42 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.6* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:42* | *1* |
| *Y Carrier* | *75.1* | | *30 - 110* | *11/24/25 08:04* | *12/15/25 09:42* | *1* |

### Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.20 | | 0.472 | 0.478 | 5.00 | 0.607 | pCi/L | | 12/17/25 18:13 | 1 |

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-746724/1-A**
**Matrix: Water**
**Analysis Batch: 749683**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 746724**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.1942 | U | 0.175 | 0.175 | 1.00 | 0.265 | pCi/L | 11/24/25 08:02 | 12/16/25 07:29 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *82.6* | | *30 - 110* | *11/24/25 08:02* | *12/16/25 07:29* | *1* |

**Lab Sample ID: LCS 160-746724/2-A**
**Matrix: Water**
**Analysis Batch: 749683**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 746724**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 9.57 | 9.478 | | 1.19 | 1.00 | 0.304 | pCi/L | 99 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *85.2* | | *30 - 110* |

**Lab Sample ID: 160-60439-2 MS**
**Matrix: Water**
**Analysis Batch: 749687**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 746724**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0944 | U | 9.51 | 9.318 | | 1.18 | 1.00 | 0.301 | pCi/L | 97 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *84.0* | | *30 - 110* |

**Lab Sample ID: 160-60439-2 MSD**
**Matrix: Water**
**Analysis Batch: 749687**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 746724**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0944 | U | 9.55 | 9.990 | | 1.27 | 1.00 | 0.329 | pCi/L | 104 | 60 - 140 | 0.27 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *76.2* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-746725/1-A**
**Matrix: Water**
**Analysis Batch: 749525**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 746725**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.8977 | | 0.497 | 0.504 | 1.00 | 0.714 | pCi/L | 11/24/25 08:04 | 12/15/25 09:38 | 1 |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 82.6 | | 30 - 110 | 11/24/25 08:04 | 12/15/25 09:38 | 1 |
| Y Carrier | 77.4 | | 30 - 110 | 11/24/25 08:04 | 12/15/25 09:38 | 1 |

**Lab Sample ID: LCS 160-746725/2-A**
**Matrix: Water**
**Analysis Batch: 749525**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 746725**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 7.85 | 10.68 | | 1.51 | 1.00 | 0.696 | pCi/L | 136 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 85.2 | | 30 - 110 |
| Y Carrier | 77.8 | | 30 - 110 |

**Lab Sample ID: 160-60439-2 MS**
**Matrix: Water**
**Analysis Batch: 749247**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 746725**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.173 | U | 7.80 | 10.29 | | 1.47 | 1.00 | 0.765 | pCi/L | 130 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 84.0 | | 30 - 110 |
| Y Carrier | 79.3 | | 30 - 110 |

**Lab Sample ID: 160-60439-2 MSD**
**Matrix: Water**
**Analysis Batch: 749247**

**Client Sample ID: MW-48**
**Prep Type: Total/NA**
**Prep Batch: 746725**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.173 | U | 7.83 | 10.75 | | 1.60 | 1.00 | 0.931 | pCi/L | 135 | 60 - 140 | 0.15 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 76.2 | | 30 - 110 |
| Y Carrier | 75.5 | | 30 - 110 |

# QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-60439-1

## Rad

### Prep Batch: 746724

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-60439-1 | MW-47 | Total/NA | Water | PrecSep-21 | |
| 160-60439-2 | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-60439-3 | MW-49 | Total/NA | Water | PrecSep-21 | |
| 160-60439-4 | MW-50 | Total/NA | Water | PrecSep-21 | |
| 160-60439-5 | MW-06 | Total/NA | Water | PrecSep-21 | |
| 160-60439-6 | MW-09 | Total/NA | Water | PrecSep-21 | |
| 160-60439-7 | MW-16 | Total/NA | Water | PrecSep-21 | |
| 160-60439-8 | MW-51 | Total/NA | Water | PrecSep-21 | |
| 160-60439-9 | MW-52 | Total/NA | Water | PrecSep-21 | |
| 160-60439-10 | MW-53 | Total/NA | Water | PrecSep-21 | |
| 160-60439-11 | Field Dup | Total/NA | Water | PrecSep-21 | |
| MB 160-746724/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-746724/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 160-60439-2 MS | MW-48 | Total/NA | Water | PrecSep-21 | |
| 160-60439-2 MSD | MW-48 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 746725

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-60439-1 | MW-47 | Total/NA | Water | PrecSep_0 | |
| 160-60439-2 | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-60439-3 | MW-49 | Total/NA | Water | PrecSep_0 | |
| 160-60439-4 | MW-50 | Total/NA | Water | PrecSep_0 | |
| 160-60439-5 | MW-06 | Total/NA | Water | PrecSep_0 | |
| 160-60439-6 | MW-09 | Total/NA | Water | PrecSep_0 | |
| 160-60439-7 | MW-16 | Total/NA | Water | PrecSep_0 | |
| 160-60439-8 | MW-51 | Total/NA | Water | PrecSep_0 | |
| 160-60439-9 | MW-52 | Total/NA | Water | PrecSep_0 | |
| 160-60439-10 | MW-53 | Total/NA | Water | PrecSep_0 | |
| 160-60439-11 | Field Dup | Total/NA | Water | PrecSep_0 | |
| MB 160-746725/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-746725/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 160-60439-2 MS | MW-48 | Total/NA | Water | PrecSep_0 | |
| 160-60439-2 MSD | MW-48 | Total/NA | Water | PrecSep_0 | |

# Tracer/Carrier Summary

Client: TRC Solutions, Inc.
Project/Site: NRG Limestone

Job ID: 160-60439-1

## Method: 903.0 - Radium-226 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) |
|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) |
| 160-60439-1 | MW-47 | 83.8 |
| 160-60439-2 | MW-48 | 83.2 |
| 160-60439-2 MS | MW-48 | 84.0 |
| 160-60439-2 MSD | MW-48 | 76.2 |
| 160-60439-3 | MW-49 | 85.2 |
| 160-60439-4 | MW-50 | 81.2 |
| 160-60439-5 | MW-06 | 72.3 |
| 160-60439-6 | MW-09 | 61.1 |
| 160-60439-7 | MW-16 | 57.1 |
| 160-60439-8 | MW-51 | 79.0 |
| 160-60439-9 | MW-52 | 81.5 |
| 160-60439-10 | MW-53 | 77.0 |
| 160-60439-11 | Field Dup | 84.6 |
| LCS 160-746724/2-A | Lab Control Sample | 85.2 |
| MB 160-746724/1-A | Method Blank | 82.6 |

**Tracer/Carrier Legend**

Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) |
| 160-60439-1 | MW-47 | 83.8 | 75.9 |
| 160-60439-2 | MW-48 | 83.2 | 75.1 |
| 160-60439-2 MS | MW-48 | 84.0 | 79.3 |
| 160-60439-2 MSD | MW-48 | 76.2 | 75.5 |
| 160-60439-3 | MW-49 | 85.2 | 73.6 |
| 160-60439-4 | MW-50 | 81.2 | 75.9 |
| 160-60439-5 | MW-06 | 72.3 | 73.6 |
| 160-60439-6 | MW-09 | 61.1 | 72.1 |
| 160-60439-7 | MW-16 | 57.1 | 75.1 |
| 160-60439-8 | MW-51 | 79.0 | 75.5 |
| 160-60439-9 | MW-52 | 81.5 | 76.6 |
| 160-60439-10 | MW-53 | 77.0 | 74.0 |
| 160-60439-11 | Field Dup | 84.6 | 75.1 |
| LCS 160-746725/2-A | Lab Control Sample | 85.2 | 77.8 |
| MB 160-746725/1-A | Method Blank | 82.6 | 77.4 |

**Tracer/Carrier Legend**

Ba = Ba Carrier
Y = Y Carrier

# Appendix E

# Laboratory Data Quality Review

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected April 24, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals (Calcium and Boron) by inductively coupled plasma-mass spectrometry (ICP/MS); and
- SM2540C – Total Dissolved Solids (TDS) by drying.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Five (5) groundwater samples were collected and analyzed for one or more of the following: boron, calcium, sulfate, fluoride and TDS. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. No data were qualified as part of this review (see Table 2).

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample receipt checklist stated the samples were received at a temperature of 3.6°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, SW-846 and Standard Method requirements. Except for boron which was detected in one continuing calibration blank (CCB). Associated samples were reported as detected for boron greater than 2X the CCB concentration and did not require qualification.

## Blanks

Metals, sulfate, fluoride and TDS were reported as not-detected in the method blanks.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for metals, sulfate, fluoride and TDS.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) for fluoride analyzed on site sample MW-47 was within QC acceptance criteria. Metals and sulfate MS/MSDs were analyzed on samples not associated with the project site and were not used for qualification purposes. MS/MSD analysis is not a requirement of TDS method SM2540C.

## Post Digestion Spike and Serial Dilution

The post digestion spike and serial dilution for boron and calcium were analyzed on a sample not associated with the project site and were not evaluated.

## Laboratory Duplicates

Laboratory duplicate for TDS analyzed on site sample MW-28R was within QC acceptance criteria.

## Field Precision

A field duplicate was not collected as part of this data package.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25041311-01 | MW-02 | Groundwater |
| HS25041311-02 | MW-21 | Groundwater |
| HS25041311-03 | MW-28R | Groundwater |
| HS25041311-04 | MW-47 | Groundwater |
| HS25041311-05 | MW-50 | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| No data were qualified as part of this review. | | | |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected March 20, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Chloride and Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals (Calcium, Boron and Sodium) by inductively coupled plasma-mass spectrometry (ICP/MS); and
- SM2540C – Total Dissolved Solids (TDS) by drying.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Fourteen (14) groundwater samples, one (1) duplicate groundwater sample and one (1) field blank were analyzed for chloride, sulfate, fluoride, calcium, boron, and TDS. In addition, groundwater

sample MW-21 was also analyzed for sodium. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. Qualified data are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample receipt checklist stated the samples were received at temperatures of 1.1, 1.5 and 1.2°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, Standard Method (SM) and SW-846 Method requirements for chloride, sulfate, fluoride and TDS.

Metals continuing calibration blanks (CCBs) had detections of sodium. The associated sample was reported at a concentration greater than 5X the CCB results and did not require qualification.

## Blanks

Chloride, sulfate, fluoride, boron, calcium, and TDS were reported as not-detected in the method blanks. Metals batch 225731 had a detection of sodium (0.02374J mg/L) in the method blank. Associate sample, MW-21, was reported as detected for sodium greater than 2X the method blank concentration and was not qualified.

One field blank (FIELD BLANK) was collected and analyzed as part of this data package. The field blank was reported as detected for boron (0.0448 mg/L), calcium (0.274J mg/L), chloride (1.41 mg/L) and sulfate (0.482J mg/L). Associated samples were reported for calcium and chloride greater than 2X the field blank concentration and did not require qualification. Sulfate in sample MW-01 was qualified as not-detected (U), due to field blank contamination.

Samples MW-01, MW-17, MW-18, MW-19, MW-20, MW-22, MW-47, MW-48, MW-49 and FIELD DUPLICATE were qualified as not-detected (U) for boron, due to field blank contamination.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for chloride, sulfate, fluoride, metals and TDS.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for chloride/sulfate analyzed on site samples MW-20 and MW-02 were within QC acceptance criteria. Fluoride MS/MSD was analyzed on site sample MW-02 as was within QC acceptance criteria. MS/MSD analysis is not a requirement of TDS method SM2540C.

Metals batch 225731 MS/MSD analyzed on site sample MW-02 had calcium and sodium recovery outside acceptance criteria. However, the amount of calcium and sodium spiked was less than 4X the unspiked parent sample and may not represent the matrix effect; therefore, this MS/MSD was not used for qualification purposes.

## Post Digestion Spike and Serial Dilution

The metals post digestion spike (PDS) and serial dilution (SD) for metals batch 225731 analyzed on site sample MW-02 were within QC acceptance criteria.

## Laboratory Duplicates

Laboratory duplicate for TDS analyzed on site sample MW-02 was within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-19/FIELD DUPLICATE). Both sample and duplicate, MW-19/FIELD DUPLICATE, were reported as detected for boron, calcium, chloride, sulfate, fluoride and TDS. The boron detections were determined to be not-detected based on field blank contamination; therefore, sample/duplicate precision was not calculated. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for calcium, chloride, fluoride, sulfate and TDS.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-01, MW-17, MW-18, MW-19, MW-20, MW-22, MW-47, MW-48, MW-49 and FIELD DUPLICATE were qualified as not-detected (U) for boron, due to field blank contamination. Sample MW-01 was qualified as not-detected (U) for sulfate, due to field blank contamination.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25031035-01 | MW-01 | Groundwater |
| HS25031035-02 | MW-02 | Groundwater |
| HS25031035-03 | MW-17 | Groundwater |
| HS25031035-04 | MW-18 | Groundwater |
| HS25031035-05 | MW-19 | Groundwater |
| HS25031035-06 | MW-20 | Groundwater |
| HS25031035-07 | MW-21 | Groundwater |
| HS25031035-08 | MW-22 | Groundwater |
| HS25031035-09 | MW-27R | Groundwater |
| HS25031035-10 | MW-28R | Groundwater |
| HS25031035-11 | MW-47 | Groundwater |
| HS25031035-12 | MW-48 | Groundwater |
| HS25031035-13 | MW-49 | Groundwater |
| HS25031035-14 | MW-50 | Groundwater |
| HS25031035-15 | FIELD BLANK | Water |
| HS25031035-16 | FIELD DUPLICATE | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-01<br>MW-17<br>MW-18<br>MW-19<br>MW-20<br>MW-22<br>MW-47<br>MW-48<br>MW-49<br>FIELD DUPLICATE | Boron | U | Field blank contamination. |
| MW-01 | Sulfate | U | Field blank contamination. |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L) | Duplicate Result (mg/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-19/DUP-01** | Calcium | 32.4 | 33.2 | 2 | A |
| | Chloride | 38.5 | 38.6 | 0 | A |
| | Sulfate | 97.5 | 99.0 | 2 | A |
| | TDS | 352 | 392 | 11 | A |
| | Fluoride | 0.0600J | 0.058U | 3 | A |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data.
A* - Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected March 20, 2025 at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package. Radium data was analyzed by Eurofins Environment Testing (Eurofins) and are also NELAC-accredited.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals by inductively coupled plasma-mass spectrometry (ICP/MS);
- SW-846 7470A – Mercury by manual cold vapor technique;
- EPA 903.1 – Radium-226 by alpha counting detector method; and
- EPA 904.0 – Radium-228 by radiochemical/precipitation; count by gas-flow proportional beta counter.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Four (4) groundwater samples were analyzed for metals, mercury, fluoride and radium-226/228. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. The SAP also states that radiochemistry data will be compared to laboratory supplied limits instead of the aforementioned limits. Data qualified as part of this review are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the of the paperwork filled out properly. However, the samplers name was not listed on the radium-226/228 chain-of-custody. The laboratory sample receipt checklist stated the samples were received at temperatures of 1.1, 1.5 and 1.2°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA and SW-846 Method requirements for metals, mercury, fluoride and radium-226/228.

## Surrogate/Carrier Recoveries

Radium-226/Radium-228 carrier recoveries were within laboratory acceptance criteria.

## Blanks

Metals, mercury and radium-226/228 were reported as not-detected in the method blanks.

Fluoride method blank had a detection of chromium (0.01J mg/L). The associated samples, MW-48 and MW-49 were reported as detected less than 2X the method blank concentration for fluoride and were qualified as not-detected (U), due to method blank contamination.

### Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for metals, mercury, fluoride and radium-226/228.

### Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for metals, mercury, fluoride and radium-226/228 fluoride analyzed on sample MW-48 were within QC acceptance criteria.

### Post Digestion Spike and Serial Dilution

The post digestion spike and serial dilution for metals were within QC acceptance criteria.

### Field Precision

A field duplicate sample was not included in this data package.

## Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-48 and MW-49 were qualified as not-detected (U) for fluoride, due to method blank contamination.

### References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25031039-01 / 160-57652-1 | MW-47 | Groundwater |
| HS25031039-02 / 160-57652-2 | MW-48 | Groundwater |
| HS25031039-03 / 160-57652-3 | MW-49 | Groundwater |
| HS25031039-04 / 160-57652-4 | MW-50 | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-48<br>MW-49 | Fluoride | U | Method blank contamination. |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected May 8, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Chloride and Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals (Boron and Calcium) by inductively coupled plasma-mass spectrometry (ICP/MS); and
- SM2540C – Total Dissolved Solids (TDS) by drying.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Ten (10) groundwater samples, and one (1) duplicate groundwater sample were analyzed for chloride, sulfate, fluoride, calcium, boron, and TDS. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. No data were qualified as part of this review (see Table 2).

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample receipt checklist stated the samples were received at temperatures of 0.4, 0.5, 0.7 and 1.1°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, Standard Method (SM) and SW-846 Method requirements for metals, anions and TDS.

## Blanks

Metals, anions and TDS were reported as not-detected in the method blanks.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for chloride, sulfate, fluoride, metals and TDS.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for chloride/sulfate and fluoride analyzed on site sample MW-51 were within QC acceptance criteria. MS/MSD analysis is not a requirement of TDS method SM2540C.

Metals batch 227797 MS/MSD analyzed on site sample MW-51 had calcium recovery outside acceptance criteria. However, the amount of calcium spiked was less than 4X the unspiked parent sample and may not represent the matrix effect; therefore, this MS/MSD was not used for qualification purposes.

## Post Digestion Spike and Serial Dilution

The metals post digestion spike (PDS) and serial dilution (SD) were within acceptance criteria.

## Laboratory Duplicates

Laboratory duplicate for TDS analyzed on site sample MW-51 was within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-09/DUP). Both sample and duplicate, MW-09/DUP, were reported as detected for boron, calcium, chloride, sulfate, fluoride and TDS. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for boron, calcium, chloride, fluoride, sulfate and TDS.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25050480-01 | MW-47 | Groundwater |
| HS25050480-02 | MW-48 | Groundwater |
| HS25050480-03 | MW-49 | Groundwater |
| HS25050480-04 | MW-50 | Groundwater |
| HS25050480-05 | MW-06 | Groundwater |
| HS25050480-06 | MW-09 | Groundwater |
| HS25050480-07 | MW-16 | Groundwater |
| HS25050480-08 | MW-51 | Groundwater |
| HS25050480-09 | MW-52 | Groundwater |
| HS25050480-10 | MW-53 | Groundwater |
| HS25050480-11 | DUP | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| No data were qualified based on this review. | | | |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L) | Duplicate Result (mg/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-09/DUP** | Boron | 0.0390 | 0.0415 | 6 | A |
| | Calcium | 51.1 | 53.2 | 4 | A |
| | Chloride | 334 | 343 | 3 | A |
| | Sulfate | 39.3 | 38.2 | 3 | A |
| | TDS | 984 | 784 | 23 | A |
| | Fluoride | 0.160 | 0.180 | 12 | A |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected May 8, 2025 at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package. Radium data was analyzed by Eurofins Environment Testing (Eurofins) and are also NELAC-accredited.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals by inductively coupled plasma-mass spectrometry (ICP/MS);
- SW-846 7470A – Mercury by manual cold vapor technique;
- EPA 903.1 – Radium-226 by alpha counting detector method; and
- EPA 904.0 – Radium-228 by radiochemical/precipitation; count by gas-flow proportional beta counter.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Ten (10) groundwater samples and one (1) duplicate groundwater sample were analyzed for metals, mercury, fluoride and radium-226/228. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. The SAP also states that radiochemistry data will be compared to laboratory supplied limits instead of the aforementioned limits. Data qualified as part of this review are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers. The chain-of-custody listed the duplicate sample as DUP while the bottles were labeled DUP-01. The laboratory sample receipt checklist stated the samples were received at temperatures of 0.4, 0.5, 0.7 and 1.1°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA and SW-846 Method requirements for mercury, fluoride and radium-226/228.

Thallium was detected in the continuing calibration blanks (CCBs). Thallium was reported as not-detected in the associated samples; therefore, no data were qualified.

## Surrogate/Carrier Recoveries

Radium-226/Radium-228 carrier recoveries were within laboratory acceptance criteria.

## Blanks

Metals, mercury, fluoride and radium-226/228 were reported as not-detected in the method blanks.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for metals, mercury, fluoride and radium-226/228.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for metals, mercury, fluoride and radium-226 analyzed on sample MW-51 were within QC acceptance criteria.

Radium-228 MS analyzed on site sample MW-51 had elevated recovery above the SAP limit of 130 %R with the MSD within the 70-130 %R SAP range. MS/MSD results were also within the laboratory acceptance criteria. Data were not qualified.

## Post Digestion Spike and Serial Dilution

The post digestion spike and serial dilution for metals were within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-09/DUP). Both sample and duplicate, MW-09/DUP, were reported as detected for arsenic, barium, lithium, fluoride, and radium-226. MW-09 was also reported as detected for radium-228. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for arsenic, barium, lithium, and fluoride. Radium-226 and radium-228 RPDs were outside acceptance criteria. Samples MW-09 and DUP were qualified as estimated (J/UJ) for radium-226 and radium-228, due to sample/duplicate precision outside acceptance criteria. Samples MW-09 and DUP were also qualified as estimated (J) for total radium-226/228, due to sample duplicate precision outside acceptance criteria.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-09 and DUP were qualified as estimated (J/UJ) for radium-226 and radium-228, due to sample/duplicate precision outside acceptance criteria. Samples MW-09 and DUP were also qualified as estimated (J) for total radium-226/228, due to sample duplicate precision outside acceptance criteria.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25050481-01 / 160-58042-1 | MW-47 | Groundwater |
| HS25050481-02 / 160-58042-2 | MW-48 | Groundwater |
| HS25050481-03 / 160-58042-3 | MW-49 | Groundwater |
| HS25050481-04 / 160-58042-4 | MW-50 | Groundwater |
| HS25050481-05 / 160-58042-5 | MW-06 | Groundwater |
| HS25050481-06 / 160-58042-6 | MW-09 | Groundwater |
| HS25050481-07 / 160-58042-7 | MW-16 | Groundwater |
| HS25050481-08 / 160-58042-8 | MW-51 | Groundwater |
| HS25050481-09 / 160-58042-9 | MW-52 | Groundwater |
| HS25050481-10 / 160-58042-10 | MW-53 | Groundwater |
| HS25050481-11 / 160-58042-11 | DUP | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-09 | Radium-228 | J | Sample/duplicate preciison oustide acceptance criteira. |
| DUP | Radium-228 | UJ | Sample/duplicate preciison oustide acceptance criteira. |
| MW-09<br>DUP | Radium-226 | J | Sample/duplicate preciison oustide acceptance criteira. |
| MW-09<br>DUP | Total Radium-226/228 | J | Sample/duplicate preciison oustide acceptance criteira. |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L and pCi/L) | Duplicate Result (mg/L and pCi/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-09/DUP** | Arsenic | 0.000951J | 0.000936J | 2 | A |
| | Barium | 0.207 | 0.200 | 3 | A |
| | Lithium | 0.0269 | 0.0261 | 3 | A |
| | Fluoride | 0.170 | 0.170 | 0 | A |
| | Radium-226 | 0.337 | 0.460 | 31 | X |
| | Radium-228 | 1.41 | 0.395U | 113 | X |
| | Total Radium-226/228 | 1.74 | 0.856 | 68 | X |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected August 13, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Chloride and Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals (Calcium, Boron and Sodium) by inductively coupled plasma-mass spectrometry (ICP/MS); and
- SM2540C – Total Dissolved Solids (TDS) by drying.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Twenty (20) groundwater samples, one (1) duplicate groundwater sample and one (1) field blank were analyzed for chloride, sulfate, fluoride, calcium, boron, and TDS. In addition, groundwater

sample MW-21 was also analyzed for sodium. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. Qualified data are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers. The label times on the sample containers for MW-19 and Field Blank-01 did not match the chain-of-custody. The laboratory sample receipt checklist stated the samples were received at temperatures of 3.5 and 4.9°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, Standard Method (SM) and SW-846 Method requirements for metals, sulfate, fluoride and TDS.

Chloride continuing calibration blanks (CCBs) had detections of chloride. The associated samples were reported at a concentration greater than 2X the CCB results and did not require qualification.

## Blanks

Chloride, sulfate, fluoride, metals, and TDS were reported as not-detected in the method blanks.

One field blank (Field Blank-01) was collected and analyzed as part of this data package. The field blank was reported as detected for boron (0.0443J mg/L), calcium (0.947 mg/L), and chloride (2.29 mg/L). Associated samples were reported for calcium and chloride greater than 2X the field blank concentration and did not require qualification. Boron in samples MW-01, MW-06, MW-09, MW-16, MW-17, MW-18, MW-19, MW-20, MW-22, MW-28R, MW-47, MW-48, MW-49 and MW-51 were qualified as not-detected (U) for boron, due to field blank contamination.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for chloride, sulfate, fluoride, metals and TDS.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for chloride/sulfate analyzed on site samples MW-06, MW-48 and Field Duplicate-01 were within QC acceptance criteria. Fluoride MS/MSD was analyzed on site samples MW-01 and MW-48 and were within QC acceptance criteria. Metals batch 231849 was analyzed on a sample not associated with the project site and was not evaluated. MS/MSD analysis is not a requirement of TDS method SM2540C.

Metals batch 231960 MS/MSD analyzed on site sample MW-48 had calcium recovery outside acceptance criteria. However, the amount of calcium spiked was less than 4X the unspiked parent sample and may not represent the matrix effect; therefore, this MS/MSD was not used for qualification purposes.

## Post Digestion Spike and Serial Dilution

The metals post digestion spike (PDS) and serial dilution (SD) for metals batch 231849 were analyzed on a sample not associated with the project site and were not evaluated. Metals batch 231960 analyzed on site sample MW-48 was within QC acceptance criteria for SD but was outside acceptance criteria for PDS. The amount of calcium spiked was less than 4X the unspiked parent sample and did not require qualification.

## Laboratory Duplicates

Laboratory duplicates for TDS analyzed on site samples MW-02 and MW-48 were within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-52/Field Duplicate-1). Both sample and duplicate, MW-19/DUP-01, were reported as detected for boron, calcium, chloride, sulfate, fluoride and TDS. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for boron, calcium, chloride, fluoride, sulfate and TDS.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-01, MW-06, MW-09, MW-16, MW-17, MW-18, MW-19, MW-20, MW-22, MW-28R, MW-47, MW-48, MW-49 and MW-51 were qualified as not-detected (U) for boron, due to field blank contamination.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25080725-01 | MW-01 | Groundwater |
| HS25080725-02 | MW-02 | Groundwater |
| HS25080725-03 | MW-06 | Groundwater |
| HS25080725-04 | MW-09 | Groundwater |
| HS25080725-05 | MW-16 | Groundwater |
| HS25080725-06 | MW-17 | Groundwater |
| HS25080725-07 | MW-18 | Groundwater |
| HS25080725-08 | MW-19 | Groundwater |
| HS25080725-09 | MW-20 | Groundwater |
| HS25080725-10 | MW-21 | Groundwater |
| HS25080725-11 | MW-22 | Groundwater |
| HS25080725-12 | MW-27R | Groundwater |
| HS25080725-13 | MW-28R | Groundwater |
| HS25080725-14 | MW-47 | Groundwater |
| HS25080725-15 | MW-48 | Groundwater |
| HS25080725-16 | MW-49 | Groundwater |
| HS25080725-17 | MW-50 | Groundwater |
| HS25080725-18 | MW-51 | Groundwater |
| HS25080725-19 | MW-52 | Groundwater |
| HS25080725-20 | MW-53 | Groundwater |
| HS25080725-21 | Field Blank-01 | Water |
| HS25080725-22 | Field Duplicate-01 | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-01<br>MW-06<br>MW-09<br>MW-16<br>MW-17<br>MW-18<br>MW-19<br>MW-20<br>MW-22<br>MW-28R<br>MW-47<br>MW-48<br>MW-49<br>MW-51 | Boron | U | Field blank contamination. |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L) | Duplicate Result (mg/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-52/Field Duplicate-01** | Boron | 0.174 | 0.173 | 1 | A |
| | Calcium | 199 | 197 | 1 | A |
| | Chloride | 275 | 282 | 3 | A |
| | Sulfate | 454 | 451 | 1 | A |
| | TDS | 1,580 | 1,910 | 19 | A |
| | Fluoride | 0.0900 J | 0.0900 J | 0 | A |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected September 4, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode; and
- SW-846 6020A – Metals (Boron) by inductively coupled plasma-mass spectrometry (ICP/MS).

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Six (6) groundwater samples were collected and analyzed for one or more of the following: boron, sulfate, and fluoride. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. No data were qualified as part of this review (see Table 2).

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample receipt checklist stated the samples were received at a temperature of 4.8°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, and SW-846 requirements.

## Blanks

Boron, sulfate, and fluoride were reported as not-detected in the method blanks.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for boron, sulfate, and fluoride.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) for fluoride analyzed on site sample MW-16 and boron analyzed on site sample MW-21 were within QC acceptance criteria.

MS/MSD for sulfate analyzed on site sample MW-50 was outside acceptance criteria. However, the amount of sulfate spiked was less than 4X the unspiked parent sample and may not represent the matrix effect; therefore, this MS/MSD was not used for qualification purposes.

## Post Digestion Spike and Serial Dilution

The post digestion spike and serial dilution for boron were within acceptance criteria.

## Laboratory Duplicates

Laboratory duplicates were not included in this data package.

## Field Precision

A field duplicate was not collected as part of this data package.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25090221-01 | MW-16 | Groundwater |
| HS25090221-02 | MW-21 | Groundwater |
| HS25090221-03 | MW-28R | Groundwater |
| HS25090221-04 | MW-47 | Groundwater |
| HS25090221-05 | MW-50 | Groundwater |
| HS25090221-06 | MW-53 | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| No data were qualified as part of this review. | | | |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected August 13, 2025 at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package. Radium data was analyzed by Eurofins Environment Testing (Eurofins) and are also NELAC-accredited.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals by inductively coupled plasma-mass spectrometry (ICP/MS);
- SW-846 7470A – Mercury by manual cold vapor technique;
- EPA 903.1 – Radium-226 by alpha counting detector method; and
- EPA 904.0 – Radium-228 by radiochemical/precipitation; count by gas-flow proportional beta counter.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Ten (10) groundwater samples and one (1) duplicate groundwater sample were analyzed for metals, mercury, fluoride and radium-226/228. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. The SAP also states that radiochemistry data will be compared to laboratory supplied limits instead of the aforementioned limits. No data were qualified as part of this review (see Table 2).

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers. The chain-of-custody for radium samples did not have sampler's signature and the sample date was not listed. The laboratory sample receipt checklist stated the samples were received at temperatures of 3.5 and 4.9°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA and SW-846 Method requirements for metals, fluoride and radium-226/228.

Mercury was detected in the continuing calibration blanks (CCBs). Mercury was reported as not-detected in the associated samples; therefore, no data were qualified.

## Surrogate/Carrier Recoveries

Radium-226/Radium-228 carrier recoveries were within laboratory acceptance criteria.

## Blanks

Metals, mercury, fluoride and radium-226/228 were reported as not-detected in the method blanks.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for metals, mercury, fluoride and radium-226/228.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for metals batches 231765 and 231891, and mercury batch 231873 were analyzed on samples not associated with the project site and were not evaluated. Fluoride MS/MSD analyzed on samples MW-06 and MW-48 and radium-226/228 analyzed on sample MW-48 were within QC acceptance criteria.

MS/MSD for metals batch 232059 analyzed on sample MW-48 had calcium recovery outside acceptance criteria. However, the amount of calcium spiked was less than 4X the unspiked parent sample and may not represent the matrix effect; therefore, this MS/MSD was not used for qualification purposes.

## Post Digestion Spike and Serial Dilution

The post digestion spike (PDS) and serial dilution for metals were within QC acceptance criteria, except for calcium in batch 232059 analyzed on site sample MW-48 which had low PDS recovery. The amount of calcium spiked was less than 4X the parent sample result and was not qualified.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-52/Field Dup-01). Both sample and duplicate, MW-52/Field Dup-01, were reported as detected for arsenic, barium, calcium, lead, lithium, molybdenum, and fluoride. MW-52 was also reported as detected for selenium. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for arsenic, barium, calcium, lithium, molybdenum, selenium and fluoride. Lead RPD was outside acceptance criteria. However, the sample/duplicate results are less than 5X the method detection limit (MDL) and the difference between sample and duplicate is less than 2X the MDL; therefore, data were not qualified. The field duplicate was not analyzed for radium-226/228; therefore, sample/duplicate precision was not evaluated.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25080726-01 / 160-59230-1 | MW-06 | Groundwater |
| HS25080726-02 / 160-59230-2 | MW-09 | Groundwater |
| HS25080726-03 / 160-59230-3 | MW-16 | Groundwater |
| HS25080726-04 / 160-59230-4 | MW-47 | Groundwater |
| HS25080726-05 / 160-59230-5 | MW-48 | Groundwater |
| HS25080726-06 / 160-59230-6 | MW-49 | Groundwater |
| HS25080726-07 / 160-59230-7 | MW-50 | Groundwater |
| HS25080726-08 / 160-59230-8 | MW-51 | Groundwater |
| HS25080726-09 / 160-59230-9 | MW-52 | Groundwater |
| HS25080726-10 / 160-59230-10 | MW-53 | Groundwater |
| HS25080726-11 | Field Dup-01 | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| No data were qualified based on this review. | | | |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L and pCi/L) | Duplicate Result (mg/L and pCi/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-52/ Field Dup-01** | Arsenic | 0.000524J | 0.000535J | 2 | A |
| | Barium | 0.0837 | 0.0815 | 3 | A |
| | Calcium | 201 | 193 | 4 | A |
| | Lead | 0.00150J | 0.000470U | 105 | A* |
| | Lithium | 0.0384 | 0.0360 | 7 | A |
| | Molybdenum | 0.000476J | 0.000607J | 24 | A |
| | Selenium | 0.0170 | 0.0161 | 5 | A |
| | Fluoride | 0.09 | 1.0 | 11 | A |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected November 17, 2025, at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- EPA 300.0 – Inorganic Anions (Chloride and Sulfate) by ion chromatography;
- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals (Calcium, Boron and Sodium) by inductively coupled plasma-mass spectrometry (ICP/MS); and
- SM2540C – Total Dissolved Solids (TDS) by drying.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Ten (10) groundwater samples and one (1) duplicate groundwater sample were analyzed for chloride, sulfate, fluoride, calcium, boron, and TDS. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. Qualified data are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample receipt checklist stated the samples were received at a temperature of 0.4°C. Samples reported in the data package were prepared and analyzed within holding times.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA, Standard Method (SM) and SW-846 Method requirements for calcium, chloride, sulfate, fluoride and TDS.

Metals continuing calibration blanks (CCBs) had detections of boron. The associated samples were reported at a concentration greater than 2X the CCB results and did not require qualification.

## Blanks

Chloride, sulfate, metals, and TDS were reported as not-detected in the method blanks.

The fluoride method blank was reported as detected for fluoride at 0.08J mg/L. Samples MW-49 and MW-50 were qualified as not-detected (U) for fluoride, due to method blank contamination.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for chloride, sulfate, fluoride, metals and TDS.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for metals, fluoride and chloride/sulfate analyzed on site samples MW-48 were within QC acceptance criteria. MS/MSD analysis is not a requirement of TDS method SM2540C.

## Post Digestion Spike and Serial Dilution

The metals post digestion spike (PDS) and serial dilution (SD) were analyzed on site sample MW-48 were within QC acceptance criteria.

## Laboratory Duplicates

Laboratory duplicate for TDS analyzed on site sample MW-48 was within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-47/Field Dup). Both sample and duplicate, MW-47/Field Dup, were reported as detected for boron, calcium, chloride, sulfate, fluoride and TDS. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for boron, calcium, chloride, fluoride, sulfate and TDS.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-49 and MW-50 were qualified as not-detected (U) for fluoride, due to method blank contamination.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25110797-01 | MW-06 | Groundwater |
| HS25110797-02 | MW-09 | Groundwater |
| HS25110797-03 | MW-16 | Groundwater |
| HS25110797-04 | MW-47 | Groundwater |
| HS25110797-05 | MW-48 | Groundwater |
| HS25110797-06 | MW-49 | Groundwater |
| HS25110797-07 | MW-50 | Groundwater |
| HS25110797-08 | MW-51 | Groundwater |
| HS25110797-09 | MW-52 | Groundwater |
| HS25110797-10 | MW-53 | Groundwater |
| HS25110797-11 | Field Dup | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-49<br>MW-50 | Fluoride | U | Method Blank Contamination |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L) | Duplicate Result (mg/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-47/Field Dup** | Boron | 0.0216J | 0.0281J | 26 | A |
| | Calcium | 44.9 | 41.9 | 7 | A |
| | Chloride | 151 | 151 | 0 | A |
| | Sulfate | 33.2 | 33.4 | 1 | A |
| | TDS | 722 | 784 | 8 | A |
| | Fluoride | 0.510 | 0.490 | 4 | A |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# DATA USABILITY SUMMARY

Lori Burris of TRC Environmental Corporation (TRC) reviewed one (1) data package from ALS Global Laboratories (ALS) for the analysis of groundwater samples collected November 17, 2025 at the NRG Limestone Electric Generating Station (Limestone) in Jewett, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) (TCEQ 2010). Lori Burris verified that at the time the laboratory data were generated for the project, ALS was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes, and methods of analysis requested on the chain-of-custody documentation. ALS's National Environmental Laboratory Accreditation Program (NELAP) certification is included in the laboratory data package. Radium data was analyzed by Eurofins Environment Testing (Eurofins) and are also NELAC-accredited.

**Intended Use of Data:** To provide current data on concentrations of chemicals of concern (COCs) in the groundwater at the property. These data are used for compliance with the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) Coal Combustion Residuals (CCR) detection monitoring programs. Data are also used for statistical analysis of potential statistically significant increases (SSI).

## Analyses requested included:

- A4500-F C-11 – Fluoride by ion selective electrode;
- SW-846 6020A – Metals by inductively coupled plasma-mass spectrometry (ICP/MS);
- SW-846 7470A – Mercury by manual cold vapor technique;
- EPA 903.1 – Radium-226 by alpha counting detector method; and
- EPA 904.0 – Radium-228 by radiochemical/precipitation; count by gas-flow proportional beta counter.

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this DUS.

The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists, and
- field sampling logs.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklist (LRC) and Exception Report (ER) in the analytical report which was included in this review.

The LRC, associated ER, and reportable data included in this review are attached to this Data Usability Summary (DUS).

# DATA REVIEW/VALIDATION RESULTS

## Introduction

Ten (10) groundwater samples and one (1) duplicate groundwater sample were analyzed for metals, mercury, fluoride and radium-226/228. Table 1 lists the field identifications cross-referenced to laboratory identifications.

## Analytical Results

The data package contains a minimum of one (1) quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not-detected results are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. The project Sampling and Analysis Plan (SAP) states that quality control percent recoveries of 70% to 130% indicate sufficient accuracy and a relative percent difference (RPD) of 30% indicates adequate precision. Therefore, these limits were used for comparison during this review for accuracy and precision. The SAP also states that radiochemistry data will be compared to laboratory supplied limits instead of the aforementioned limits. Data qualified as part of this review are included in Table 2.

## Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers. The chain-of-custody for radium samples did not have sampler's name listed. The laboratory sample receipt checklist stated the samples were received at a temperature of 1.1°C. Samples reported in the data package were prepared and analyzed within holding times.

According to the laboratory case narrative, the detection goal was not met for radium-228 in sample MW-09 caused by a reduced sample volume used in sample preparation due to matrix interference.

## Calibrations

According to the LRC, initial and continuing calibration data met EPA and SW-846 Method requirements for most metals, mercury, fluoride and radium-226/228.

Arsenic was detected in the continuing calibration blanks (CCBs). Samples MW-50 and MW-51 were qualified as not-detected (U) for arsenic, due to CCB contamination.

## Surrogate/Carrier Recoveries

Radium-226/Radium-228 carrier recoveries were within laboratory acceptance criteria.

## Blanks

Metals, mercury and radium-226 were reported as not-detected in the method blanks, except for arsenic which was detected at 0.000947J mg/L in the method blank. Associated samples MW-06, MW-50, MW-51, MW-52 and MW-53 were qualified as not-detected (U) for arsenic, due to method blank contamination.

Fluoride was also reported as detected in the method blank for batch R425801a at a concentration of 0.08J mg/L. Sample MW-49 and MW-50 were qualified as not-detected (U) for fluoride, due to method blank contamination.

Radium-228 was noted in the method blank at 0.8977 pCi/L. Samples MW-47, MW-49, MW-06, MW-09, MW-16, MW-51, MW-52, MW-53 and Field Dup were qualified as estimated (J) for Radium-228, due to method blank contamination.

## Laboratory Control Samples

Laboratory control samples (LCS) met the QC acceptance criteria for metals, mercury, fluoride and radium-226. Radium-228 had elevated LCS recovery. Samples MW-47, MW-49, MW-06, MW-09, MW-16, MW-51, MW-52, MW-53 and Field Dup were qualified as estimated (JH) for radium-228, due to elevated LCS recovery.

## Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples for metals, mercury and radium-226 analyzed on site sample MW-48 were within acceptance criteria. Fluoride MS/MSDs analyzed on samples MW-48 and MW-53 were within acceptance criteria.

Radium-228 MS/MSD analyzed on site sample MW-48 had elevated recovery. Sample MW-48 was reported as not-detected for radium-228 and did not require qualification.

## Post Digestion Spike and Serial Dilution

The post digestion spike (PDS) and serial dilution for metals analyzed on site sample MW-48 were within QC acceptance criteria.

## Field Precision

One (1) field duplicate sample was included in this data package (MW-47/Field Dup). Both sample and duplicate, MW-47/Field Dup, were reported as detected for arsenic, barium, lithium, molybdenum, fluoride, radium. The relative percent difference (RPD) between sample and duplicate was within the QC acceptance criteria of 30% for arsenic, barium, molybdenum, and fluoride. Samples MW-47 and Field Dup were qualified as estimated (J) for radium-226, radium-228 and total radium-226/228, due to sample/duplicate precision outside acceptance criteria.

Sample/duplicate precision calculations are included in Table 3.

# Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the Limestone site.

The data user is advised that samples MW-50 and MW-51 were qualified as not-detected (U) for arsenic, due to CCB contamination and method blank contamination. Samples MW-06, MW-52 and MW-53 were qualified as not-detected (U) for arsenic, due to method blank contamination. Sample MW-49 and MW-50 were qualified as not-detected (U) for fluoride, due to method blank contamination. Samples MW-47, MW-49, MW-06, MW-09, MW-16, MW-51, MW-52, MW-53 and Field Dup were qualified as estimated (JH) for Radium-228, due to method blank contamination and elevated LCS. Samples MW-47 and Field Dup were qualified as estimated (J) for radium-226, radium-228 and total radium-226/228, due to sample/duplicate precision outside acceptance criteria.

## References:

TCEQ. 2010. TRRP 13: Review and Reporting of COC Concentration Data. Texas Commission for Environmental Quality, Austin, Texas.

Environmental Resources Management (ERM). October 2017. Sampling and Analysis Plan. Limestone Electric Generating Station, Jewett, Texas.

**Table 1 – Cross-Reference between Laboratory and Field Identifications**

| Laboratory Identification | Field Identification | Matrix Type |
|---|---|---|
| HS25110794-01 / 160-60439-1 | MW-47 | Groundwater |
| HS25110794-02 / 160-60439-2 | MW-48 | Groundwater |
| HS25110794-03 / 160-60439-3 | MW-49 | Groundwater |
| HS25110794-04 / 160-60439-4 | MW-50 | Groundwater |
| HS25110794-05 / 160-60439-5 | MW-06 | Groundwater |
| HS25110794-06 / 160-60439-6 | MW-09 | Groundwater |
| HS25110794-07 / 160-60439-7 | MW-16 | Groundwater |
| HS25110794-08 / 160-60439-8 | MW-51 | Groundwater |
| HS25110794-09 / 160-60439-9 | MW-52 | Groundwater |
| HS25110794-10 / 160-60439-10 | MW-53 | Groundwater |
| HS25110794-11 / 160-60439-11 | Field Dup | Groundwater |

**Table 2 – Qualified Analytical Data**

| Field Identification | Analyte | Qualification | Reason for Qualification |
|---|---|---|---|
| MW-50<br>MW-51 | Arsenic | U | Method Blank and CCB Contamination |
| MW-06<br>MW-52<br>MW-53 | Arsenic | U | Method Blank Contamination |
| MW-49<br>MW-50 | Fluoride | U | Method Blank Contamination |
| MW-47<br>MW-49<br>MW-06<br>MW-09<br>MW-16<br>MW-51<br>MW-52<br>MW-53<br>Field Dup | Radium-228 | JH | Method Blank Contamination and elevated LCS recovery. |
| MW-47<br>Field Dup | Radium-226<br>Radium-228<br>Total Radium-226/228 | J | Sample/duplicate precision outside acceptance criteria. |

U – Not-detected.
J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
UJ – The analyte was analyzed for but was not detected above the reported sample detection limit. The associated value is an estimate and may be inaccurate or imprecise.
L – Bias in sample, likely to be low.
H – Bias in sample likely to be high.

**Table 3 – Field Precision**

| Field Identification | Analyte | Sample Result (mg/L and pCi/L) | Duplicate Result (mg/L and pCi/L) | RPD[a] | Qualified |
|---|---|---|---|---|---|
| **MW-47/ Field Dup** | Arsenic | 0.00436 | 0.00423 | 3 | A |
| | Barium | 0.130 | 0.136 | 5 | A |
| | Lithium | 0.0165 | 0.0173 | 5 | A |
| | Molybdenum | 0.00148J | 0.00165J | 11 | A |
| | Fluoride | 0.500 | 0.570 | 13 | A |
| | Radium-226 | 0.325 | 0.523 | 47 | X |
| | Radium-228 | 1.61 | 0.680 | 81 | X |
| | Radium-226/228 | 1.94 | 1.20 | 47 | X |

[a] RPD = ((SR - DR)*200)/(SR + DR)
A – Acceptable Data.
A* – Acceptable Data where results were less than 5X the MQL and the difference between sample and duplicate was less than 2X the MQL.
X – Outside the TRRP-13/SAP acceptance criteria of 30% RPD.
J – Estimated detected.
U – Not-detected.

# Appendix F

# Alternative Source Demonstrations

11767 Katy Freeway, Suite 850, Houston, TX 77079
T: 281.616.0100 TRCcompanies.com

August 15, 2025

Mr. Martin Torres
Section Manager
Industrial and Hazardous Waste Permits Section – MC-130
Texas Commission on Environmental Quality
PO Box 13087
Austin, Texas 78711-3087

Subject: CCR Alternate Source Demonstrations
NRG Texas Limestone Electric Generating Station Industrial Solid Waste Registration No. 32490
EPA Identification No. TXD000837336
RN103053963/CN603207218, CCR115

**Transmitted via email** CCRNotify@tceq.texas.gov

Dear Mr. Torres,

On behalf of NRG Texas, TRC is submitting the Alternate Source Demonstrations (ASDs) for the NRG Limestone Electric Generating Station.

NRG will continue to comply with the Texas Coal Combustion Residuals Program (CCR), Chapter 352 CCR Waste Management Rules. As always, NRG continues to be committed to working with the TCEQ and partner with the communities they serve; their common goal is the protection of human health and the environment in the areas surrounding operations at their facilities.

Please do not hesitate to contact me via email at adworaczyk@trccompanies.com or phone at 832-904-1925 if you need additional information or wish to discuss this request. As always, we continue to be committed to working with the TCEQ and partner with the communities we serve; our common goal is the protection of human health and the environment in the areas surrounding operations at our facilities.

Sincerely,

Tony Dworaczyk, PG
Senior Project Manager
TRC

Cc: Craig Eckberg (NRG Director, Environmental Services)
Carl Burch (NRG Environmental Manager)
Jason Scott (NRG Environmental Specialist/RSO)

Texas Commission on Environmental Quality

# Waste Permits Division Correspondence Cover Sheet

Date: August 15, 2025
Facility Name: NRG-Limestone Generating Station
Permit or Registration No.: CCR 115

Nature of Correspondence:
☒ Initial/New
☐ Response/Revision to TCEQ Tracking No.: _____ (from subject line of TCEQ letter regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

| Applications | Reports and Notifications |
|---|---|
| ☐ New Notice of Intent | ☐ Alternative Daily Cover Report |
| ☐ Notice of Intent Revision | ☐ Closure Report |
| ☐ New Permit (including Subchapter T) | ☐ Compost Report |
| ☐ New Registration (including Subchapter T) | ☒ Groundwater Alternate Source Demonstration |
| ☐ Major Amendment | ☐ Groundwater Corrective Action |
| ☐ Minor Amendment | ☐ Groundwater Monitoring Report |
| ☐ Limited Scope Major Amendment | ☐ Groundwater Background Evaluation |
| ☐ Notice Modification | ☐ Landfill Gas Corrective Action |
| ☐ Non-Notice Modification | ☐ Landfill Gas Monitoring |
| ☐ Transfer/Name Change Modification | ☐ Liner Evaluation Report |
| ☐ Temporary Authorization | ☐ Soil Boring Plan |
| ☐ Voluntary Revocation | ☐ Special Waste Request |
| ☐ Subchapter T Disturbance Non-Enclosed Structure | ☐ Other: |
| ☐ Other: | |

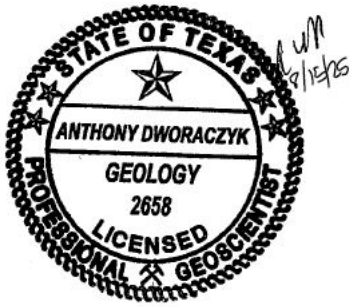
Table 2 - Industrial & Hazardous Waste Correspondence

| Applications | Reports and Responses |
|---|---|
| ☐ New | ☐ Annual/Biennial Site Activity Report |
| ☐ Renewal | ☐ CPT Plan/Result |
| ☐ Post-Closure Order | ☐ Closure Certification/Report |
| ☐ Major Amendment | ☐ Construction Certification/Report |
| ☐ Minor Amendment | ☐ CPT Plan/Result |
| ☐ CCR Registration | ☐ Extension Request |
| ☐ CCR Registration Major Amendment | ☐ Groundwater Monitoring Report |
| ☐ CCR Registration Minor Amendment | ☐ Interim Status Change |
| ☐ Class 3 Modification | ☐ Interim Status Closure Plan |
| ☐ Class 2 Modification | ☐ Soil Core Monitoring Report |
| ☐ Class 1 ED Modification | ☐ Treatability Study |
| ☐ Class 1 Modification | ☐ Trial Burn Plan/Result |
| ☐ Endorsement | ☐ Unsaturated Zone Monitoring Report |
| ☐ Temporary Authorization | ☐ Waste Minimization Report |
| ☐ Voluntary Revocation | ☐ Other: |
| ☐ 335.6 Notification | |
| ☐ Other: | |

I hereby certify that the alternative source demonstration presented within this document for the NRG Limestone Coal Ash Disposal Landfill CCR Unit has been prepared to meet the requirements of 30 TAC 352.4; 352.941(c); and 352.1321. This document is accurate and has been prepared in accordance with good geosciences practices, including the consideration of applicable industry standards, and with the requirements of 30 TAC 352.4; 352.941(c); and 352.1321.

**Name:** Tony Dworaczyk **Expiration Date:** 1/30/2026

**Company:** TRC Environmental Corporation **Date:** 8/14/2025



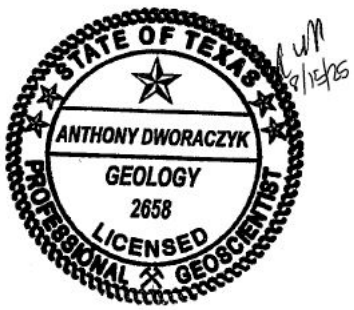
# Alternative Source Demonstration

## Limestone Electric Generating Station
## Landfill (Unit 004)

TCEQ Coal Combustion Residuals (CCR) Registration No. CCR115
Industrial Solid Waste Registration No. 32490
EPA Identification No. TXD000837336
RN100542927/CN603207218

August 2025

*Prepared For*
*NRG Texas Power, LLC*
*Jewett, Texas*




Gregory E. Tieman, L.R.S.
Senior Client Service Manager

Tony Dworaczyk, P.G.
Project Manager



11767 KATY FREEWAY, SUITE 850, HOUSTON, TX 77079, ● 713.244.1073 PHONE ● WWW.TRCCOMPANIES.COM

# Table of Contents

Executive Summary ..... iii

Section 1 Introduction ..... 1-1

1.1 Background ..... 1-1

1.1.1 Groundwater Monitoring Program ..... 1-1

1.2 Purpose ..... 1-2

Section 2 Site Geology and Hydrogeology ..... 2-1

2.1 Hydrogeology ..... 2-1

2.2 Site Specific Information ..... 2-1

2.3 Surrounding Area ..... 2-2

2.3.1 Oil and Gas Production Wells ..... 2-2

2.3.2 Lignite Mine ..... 2-3

2.3.3 Lignite/Shale Seams in Monitoring Wells ..... 2-4

2.4 Groundwater Geochemistry ..... 2-4

2.4.1 Boron in Groundwater ..... 2-5

2.4.2 Sulfate in Groundwater ..... 2-5

2.4.3 Fluoride in Groundwater ..... 2-6

2.4.4 pH ..... 2-7

Section 3 Alternative Source Demonstration ..... 3-1

Section 4 Conclusions ..... 4-1

Section 5 References ..... 5-1

## List of Figures

Figure 1 Site Map

Figure 2 Potentiometric Flow Map – March 2025

Figure 3 METGCD Well Map

## List of Tables

Table 1 Soil Samples - Appendix III

Table 2 Soil Samples - Appendix IV

## Attachments

Attachment 1 Boring Logs

# Executive Summary

The NRG Texas Power, LLC (NRG) Limestone Electric Generating Station (Station) is located approximately seven miles northwest of Jewett, Texas and approximately 0.5 miles north of the intersection of Limestone, Freestone, and Leon Counties. Units managing coal combustion residuals (CCR) at the Station are subject to the requirements of 30 Texas Administrative Code (TAC) Chapter 352. CCR generated at the Station consists of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge. The Station has one active CCR unit, the Landfill (Unit 004), that is managed pursuant to 30 TAC Chapter 352, which is the subject of this Alternative Source Demonstration (ASD).

The 16th semi-annual groundwater detection monitoring event was conducted on March 20, 2025. Verification sampling was performed for this sampling event on April 24, 2025. Statistical evaluation of the Appendix III monitoring parameters was performed within 60 days of sample collection to identify apparent statistically significant increases (SSIs) above background pursuant to 30 TAC 352 Subpart H. Four apparent SSIs: pH, boron, fluoride and sulfate were identified. TRC, on behalf of NRG notified the Texas Commission on Environmental Quality (TCEQ) of its intent to prepare an ASD.

As previously described in the ASD for the third semi-annual detection monitoring event, persistent, unresolvable issues with data quality necessitated establishment of a new background water quality data set. The new background water quality data set was developed for both Appendix III and Appendix IV CCR constituents collected quarterly from the second half of 2019 (July) through the first half of 2021 (April). The March 2025 semi-annual detection monitoring event analytical results are the eighth data set statistically evaluated using the new background water quality data set.

This ASD successfully identified alternative sources for the apparent SSIs at the Landfill, based on the following lines of reasoning:

- Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents;
- As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitor wells were installed into and screened across these seams;
- The Jewett lignite surface mine is located approximately 1.5 miles south of the Landfill;
- Natural variations in groundwater geochemistry are likely related to changes in pH, ion exchanges, EC (electrical conductivity), and/or salinity; and
- Various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Therefore, based on the lines of reasoning presented in this ASD, alternative sources, and/or natural variations in groundwater geochemistry, rather than a release from the Landfill have been demonstrated to be responsible for the apparent SSIs observed. Based on this successful ASD, NRG will continue semi-annual detection monitoring for the Landfill per 30 TAC Chapter 352.

# Section 1
# Introduction

## 1.1 Background

The NRG Texas Power, LLC (NRG) Limestone Electric Generating Station (Station) is located approximately seven miles northwest of Jewett, Texas and approximately 0.5 miles north of the intersection of Limestone, Freestone, and Leon Counties. The Station is bisected by Farm-to-Market Road 39 (FM 39), which runs north-south through the middle of the Station. The western portion of the Station is located in Limestone County and includes the electricity generating portion of the Station. The eastern portion of the Station is located in Freestone County and includes the solid waste disposal area (SWDA).

Management of coal combustion residuals (CCR) at the Station is performed pursuant to 30 Texas Administrative Code (TAC) Chapter 352, which became effective during June 2021. Prior to this, management of CCR was performed pursuant to the United States Environmental Protection Agency (USEPA) final rule for the regulation and management of CCR under the Resource Conservation and Recovery Act (RCRA) Title 40, Code of Federal Regulations, Part 257 (40 CFR §257) (CCR Rule, effective date October 17, 2015). CCR generated at the Station consists of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge, which have been classified by the TCEQ as Class II nonhazardous waste. The Station has one active CCR-management unit – Landfill (Unit 004).

The Landfill is located within the eastern portion of the Station as shown on Figure 1. The Landfill was constructed in 1980 and is used for the final disposition of CCR. The western half of the Landfill has reached capacity and historically had been closed and capped prior to the effective date of the CCR Rule (October 19, 2015). CCR is currently being placed at the southern part of the eastern portion of the Landfill.

### 1.1.1 Groundwater Monitoring Program

The certified CCR monitoring well network for the Landfill consists of two upgradient background monitoring wells (MW-27R and MW-28) and eight downgradient monitoring wells (MW-01, MW-02, MW-17, MW-18, MW-19, MW-20, MW-21, and MW-22). Four additional downgradient monitor wells (MW-47, MW-48, MW-49, MW-50) were installed in December 2023 and added to the CCR monitoring network. A groundwater potentiometric surface map was prepared by TRC for the September 2024 semi-annual detection monitoring event and is provided in this ASD as Figure 2. The direction of groundwater flow beneath the Landfill was to the south - southwest.

On behalf of NRG, Environmental Resources Management, Inc. (ERM) conducted eight independent background groundwater detection monitoring events for both the Appendix III and IV CCR constituents between April 2015 and August 2017 per §257.94(b) of the federal CCR Rule and the first semi-annual

detection monitoring event in October 2017. Results of the eight background and first semi-annual detection monitoring events were documented in the *Annual Groundwater Monitoring Report, Landfill (Unit 004)* (ERM 2018a) pursuant to §257.90(e).

The Station has continued to conduct semi-annual detection monitoring at the Landfill per the federal CCR Rule and 30 TAC Chapter 352. As of the March 2025 sampling event, a total of 16 semi-annual detection monitoring events have now been performed. Following each semi-annual detection monitoring sampling event, the results have been evaluated for potential SSIs, and ASDs have been prepared as needed. Since implementation of 30 TAC Chapter 352, the ASDs have been submitted to TCEQ for review and approval. The semi-annual detection monitoring activities and ASDs have been included in the Annual Groundwater Monitoring and Corrective Action reports, which have been placed into the Facility Operating Record (FOR) and posted to NRG's publicly accessible website.

As previously described in the ASD for the third semi-annual detection monitoring event, persistent, unresolvable issues with data quality necessitated establishment of a new background water quality data set. The new background water quality data set was developed for both Appendix III and Appendix IV CCR constituents collected quarterly from the third half 2019 (July) through the first half 2021 (April). The March 2025 semi-annual detection monitoring event analytical results are the eighth data set statistically evaluated using the new background water quality data set.

## 1.2 Purpose

TRC prepared this ASD to evaluate Four apparent SSIs above background levels: pH, boron, fluoride and sulfate; for the 16$^{th}$ semi-annual detection monitoring event in accordance with 30 TAC Chapter 352.

# Section 2
# Site Geology and Hydrogeology

This section provides information about the geology and hydrogeology of the Station and the area at and surrounding the Landfill.

## 2.1 Hydrogeology

Based on the *Geologic Atlas of Texas, Waco Sheet* (BEG 1972), the Station is primarily located within the outcrop of the Calvert Bluff Formation of the Wilcox Group. Minor portions of the southeast corner of the Station are located within the outcrop of the Carrizo Sand and minor portions of the southwest corner of the Station are immediately underlain by alluvium. The Calvert Bluff Formation underlies both the Carrizo Sand and alluvium where present.

The Landfill is located solely within the outcrop of the Calvert Bluff Formation (BEG 1972); however, site investigation data indicate the Landfill may also be located within the outcrop of the Carrizo Sand. The Calvert Bluff Formation consists mostly of mudstone interbedded with fine sandstone, lignite, and ironstone concretions. The mudstone contains silt and very fine sand laminae. The Carrizo Sand consists of very fine sand with partings of silty clay, carbonaceous clay, and ironstone. The Carrizo Sand and the Wilcox Group comprise the Carrizo-Wilcox aquifer, which is recognized by the Texas Water Development Board (TWDB) as a major aquifer system in Texas. The Station is located within the outcrop, or the recharge zone, of the Carrizo-Wilcox aquifer (TWDB 2011).

Site investigations were conducted at the Station by Espey, Huston & Associated in 1986; Radian International in 1996 and 1997; EPRI in 2007, and Environmental Resources Management, Inc. (ERM) in 2016. The results of these investigations were summarized in the October 2017 *Ground Water Monitoring Networks for Coal Combustion Residual (CCR) Rule Compliance* report (ERM 2017b). Surficial material at the Landfill consists of in-situ or reworked clay from the Axtell-Tabor soil association. This clay is the source material for the Landfill liner and cap. Boring logs indicate the surficial material is underlain by interbedded clays, silts, and sands of the Quaternary alluvium, Carrizo Sand, and Calvert Bluff Formation. The boundaries between these units are generally indistinguishable.

## 2.2 Site Specific Information

During the installation of monitor wells for the Limestone monitoring network, soil samples were not collected for Appendix III & IV analysis. Four additional monitor wells (MW-47 through MW-50) were installed in December 2023 and three monitor wells (MW-51 through MW-53) were installed in April 2025. During the installation of these monitor wells, soil samples of native subsurface soils were collected and analyzed for Appendix III & IV constituents. Table 1: Soil Samples – Appendix III and Table 2: Soil Samples

Appendix IV provide a summary of the soil sample results for Appendix III & IV parameters during the December 2023 and April 2025 monitor well installation events.

Based on the results of these sampling events, Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenically in the groundwater beneath the Landfill, impacting the groundwater geochemistry. The groundwater geochemistry involves analyzing both natural and potential anthropogenic impacts on groundwater. Separate from potential source areas of contamination, geochemical processes are critical in controlling the chemical composition of groundwater, including carbonate equilibrium, oxidation-reduction reactions, adsorption-desorption processes, and leaching of constituents from the soil into the groundwater.

In addition to naturally occurring Appendix III & IV constituents in the soils affecting the geochemistry variations, numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill (TRC, Alternative Source Demonstration, July 2024, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas). Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents.

The boring logs for the Landfill CCR groundwater monitoring network (TRC, Alternative Source Demonstration, July 2024, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas) indicate lignite and shale seams are present beneath the Landfill. Lignite and shale naturally contain Appendix III & IV constituents that can impact the geochemistry variations beneath the site.

Natural variations in groundwater geochemistry beneath and at the Limestone CCR Landfill can be related to changes in pH, ion exchanges, EC, and/or salinity along with the naturally occurring Appendix III & IV constituents in soils, oil and gas active at and near the landfill, and lignite and shale present in the subsurface beneath the Landfill.

## 2.3 Surrounding Area

### 2.3.1 Oil and Gas Production Wells

The Station and surrounding vicinity are densely populated with historical and current oil and gas activities consisting primarily of the installation and operation of natural gas production wells. Numerous active natural gas wells and their associated well pads, surface pits, subsurface pipelines, and infrastructure are located immediately surrounding and within the footprint of the Landfill. Figure 3 is a Mid-East Texas Groundwater Conservation District (METGCD) well map showing the locations of wells in the vicinity of the Landfill. The map is limited to Freestone and Leon counties and does not show wells in Limestone County

immediately west of the Landfill. This figure demonstrates the extent to which non-CCR sources of constituents to groundwater pervade the vicinity of the Landfill.

Surface well pits typically contain spent completion fluids or workover fluids. Completion or workover fluids are often brine-containing liquids that are used for well testing and are chemically compatible with the formation fluids; and the spent fluids contained in the pits would have come into contact with formation water. According to the United States Geological Survey (USGS) National Produced Waters Geochemical Database, water co-produced with hydrocarbons (referred to as "produced water" or "formation water") from geologic formations underlying the Site has the following composition (USGS 2018):

- pH ranging from 4.67 standard units (SU) to 5.6 SU;
- Calcium ranging from 12,560 milligrams per liter (mg/L) to 33,520 mg/L;
- Chloride ranging from 56,980 mg/L to 96,200 mg/L;
- Sulfate ranging from 480 mg/L to 1,790 mg/L; and
- Total dissolved solids (TDS) ranging from 98,330 mg/L to 152,970 mg/L.

Considering the composition of the formation water with which the completion or workover fluids came into contact and the typical brine composition of these fluids, potential releases of these fluids would be expected to affect groundwater quality within the immediate vicinity and downgradient of the natural gas well pads and surface pits. Even minor releases of these fluids could increase the concentrations of calcium, chloride, sulfate, and TDS and decrease the pH in the nearby Landfill upgradient and downgradient monitoring wells.

### 2.3.2 Lignite Mine

Approximately 1.5 miles south of the Landfill is the Jewett lignite mine. The Jewett Mine is a 35,000-acre surface-mine complex. The mine, which is one of the largest in Texas, produced about 5.3 million short tons of lignite per year, according to the U.S. Department of Energy (USDOE). The 31-year-old mine provided lignite for combustion at the Station. In 2018, NRG decided to close the mine and is in the process of performing reclamation.

In 2020, the Jewett Mine had four final pits containing water ranging from approximately 340 million to 1.5 billion gallons. The estimated volumes remaining in the pits in 2020 were as follows:

- E-South Final Pit: 342,000,000 gallons;
- RP-D9 Final Pit: 403,000,000 gallons;
- B-North Final Pit: 375,000,000 gallons; and
- BX Final Pit: 1,290,000,000 gallons.

The pits can have depths greater than 100 feet. The groundwater potentiometric surface is generally understood to be above the bottom of the pits. Multiple seams of lignite at varying depths below the ground surface were removed from these pits during mining.

According to the U.S Department of Energy, Office of Scientific and Technical Information*, Trace elements in Texas Lignite*, 1983, during coal mining and utilization, trace elements are released into the environment. Certain of these elements may have beneficial or neutral effects while other trace elements are potentially harmful. On a national basis, nine of these elements: antimony, arsenic, boron, cadmium, germanium, mercury, molybdenum, selenium, and silver; are commonly found in concentrations greater than the levels present in typical crustal rocks. Because of the conditions under which Gulf Coast lignites were deposited and the nature of lignites in general, the modes of occurrence and concentrations of trace elements in Texas lignites are different from coals found elsewhere in the United States. Based on a limited data set of 38 lignite samples from Arkansas, Mississippi, and Alabama compiled in 1975, Gulf Coast lignites were identified as having higher levels of boron, lanthanum, lead, selenium, uranium, yttrium, and zirconium than other US coal regions.

### 2.3.3 Lignite/Shale Seams in Monitoring Wells

A review of the boring logs for the Landfill monitoring network identified lignite seams and shale starting at around 37 feet below ground surface (bgs) in some of the borings. As noted on the boring logs in Attachment 1, monitor wells were completed across these lignite and shale seams. Although lignite seams and shale are not noted in all borings for the monitoring network, the presences of these minerals in the subsurface would impact groundwater quality for the region.

As noted above, lignite contains trace elements that are released into the environment, which include boron. As presented in the Geological Survey Bulletin 1314-A, *Geochemical Investigations of Some Black Shales and Associated Rocks,* trace elements of boron, barium, gallium, and strontium are found in the upper cretaceous shales of Texas. The following section discusses the geochemistry of the groundwater in the area.

## 2.4 Groundwater Geochemistry

Understanding the geochemistry of groundwater is essential to examining the groundwater monitoring data, explaining the relationships between the characteristics of the groundwater, and analyzing both natural and potential anthropogenic impacts on groundwater. Separate from potential source areas of contamination, geochemical processes are critical in controlling the chemical composition of groundwater, including carbonate equilibrium, oxidation-reduction reactions, and adsorption-desorption processes.

### 2.4.1 Boron in Groundwater

Boron is normally considered to be a minor constituent in groundwater since it is generally present in low concentrations (Palmucci & Rusi, 2014). Apart from a potential boron source area, the primary origin of boron in groundwater is typically associated with the processes of sorption and desorption from mineral surfaces including soil and bedrock (Ravenscroft & McArthur, 2004). Boron is often cited as a contaminant trace chemical and usually occurs as a non-ionized form as $H_3BO_3$ in soils at pH <8.5, but above this pH, it exists as an anion, $B(OH)_4^-$ (Upadhyaya et al., 2014).

The factors that may influence the concentration of boron in groundwater include weathering, human activity, evaporative concentration, ion-exchange, EC, and pH. Ravenscroft & McArthur (2004) investigated the mechanism of regional boron enrichment in groundwater and the results indicated that the main process resulting in boron enrichment in groundwater was flushing by fresh groundwater. The desorption of boron from mineral surfaces could be affected by pH, ionic strength, salinity, and the $HCO_3/CO_3$ ratio. Decreases in pH will increase the dissolution of boron from the mineral surfaces. Boron adsorption favors high pH and boron desorption favors low pH in rocks, soils, and organic matters (Hollis et al., 1988; Keren & Communar, 2009; Tabelin et al., 2014).

Additional investigations confirmed that the presence of boron in groundwater depends on the EC (salinity), such that the concentration of boron increases with increasing EC. Halim et al. (2010) reported that the increae in $Cl^-$ contributes to an increase in EC value since a strong linear correlation ($R^2 = 0.88$) between EC and $Cl^-$ was observed. Palmucci & Rusi (2014) observed a clear correlation between elevated concentrations of boron and the chloride-sodium facies, which are characterized by high saline content, negative redox potential, and low value of the $SO_4^{2-}/Cl^-$ ratio. Rodriguez-Espinosa et al. (2020) determined that the concentration of boron in groundwater was related to $SO_4^{2-}$ and the age affect.

Regarding concentrations of boron in groundwater at the Landfill, the source of boron is more likely natural rather than anthropogenic. Therefore, the increase in concentration of boron at MW-02, MW-21, and MW-50 can be related to natural variations in groundwater geochemistry related to pH, ion exchanges, EC, and salinity.

### 2.4.2 Sulfate in Groundwater

Sulfate is ubiquitous in groundwater, with both natural and anthropogenic sources. Apart from a potential sulfate source area, the primary origin of sulfate includes mineral dissolution, atmospheric deposition, and other anthropogenic sources (Miao et al., 2012). As water moves through soil and rock formations that contain sulfate minerals, some of the sulfate dissolves into the groundwater. Minerals that contain sulfate include magnesium sulfate (Epsom salt), sodium sulfate (Glauber's salt), and calcium sulfate (gypsum). Gypsum is an important contributor to the elevated levels of sulphate in many aquifers of the world. Elevated concentrations of sulfate in groundwater are common in the western part of the United

States (MDH, 2008). Sulfate is mobile in soil and inputs to soil will impact groundwater. Research investigations indicate that atmospheric deposition, dissolution of gypsum, oxidation of sulfide mineral, and anthropogenic inputs will contribute to elevated sulfate concentrations in groundwater. Based on the hydrogeology at the SWDA Landfill, atmospheric deposition and anthropogenic activities could be impacting sulfate concentrations (Einsiedl & Mayer, 2005; Pu et al., 2012).

### 2.4.3 Fluoride in Groundwater

The common natural source of fluoride in groundwater is the dissolution of natural fluoride-bearing minerals, such as fluorspar, fluorapatite, amphiboles, hornblende, tremolite, and biotite (Luo et al., 2018). The natural concentration of fluoride in groundwater depends on the geological, chemical, and physical characteristics of the aquifer, the porosity and acidity of the soils and rock, temperature, interaction with other chemical elements, depth of the aquifer, and intensity of weathering (Brindha & Elango, 2011). Reflecting the range in concentrations of fluoride in groundwater for the Station, it is likely that geochemical processes are the primary variable controlling the concentrations of fluoride in groundwater.

A range of natural and anthropogenic geochemical processes including Ion exchange, evaporation, adsorption-desorption, ion competition, mixing, and salinization can occur resulting in an increase in fluoride concentrations in groundwater (Luo et al., 2018). In particular, alkaline pH, elevated concentrations of sodium and bicarbonate, and decreased concentrations of calcium are geochemical variables.

Alkaline pH can increase the fluoride dissolution from mineral surfaces into groundwater. Saxena & Ahmed (2001) observed that alkaline conditions with pH ranging between 7.6 and 8.6 are favorable for dissolution of fluorite mineral from the host rocks.

Sodium bicarbonate-type waters are typical of high fluoride waters. Multiple investigations have demonstrated positive correlations between fluoride and both bicarbonate and sodium as well as an inverse relation between fluoride and calcium (Mondal et al., 2014; Guo et al., 2012; Chen et al., 2020). The chemical reactions for the dissolution of fluoride in the presence of high bicarbonate and sodium, and low calcium content is described as follows (Kimambo et al., 2019):

$$Na^+ + \ +HCO_3^- - \rightarrow NaHCO_3$$

$$CaF_2 + \ +2NaHCO_3 \ \rightarrow CaCO_3 + 2Na^+ + 2F^- + \ H_2O + CO_2$$

Luo et al. (2018) reported that cation exchange can increase the concentration of fluoride when increasing the Na/Ca molar ratio via ion complexation, and salt affect can further increase the fluoride dissolution from mineral surfaces.

In addition, evaporation is another potential reason that can result in an increased concentration of fluoride in shallow groundwater. Evaporation may directly remove water from shallow aquifers and result in an elevated fluoride concentration. Evaporation can increase ion concentrations, leading to the precipitation of some major minerals, reducing the calcium concentration, and favoring the dissolution of fluoride.

### 2.4.4 pH

The apparent pH SSIs appear to be related to natural variations in groundwater quality resulting in changes in the geochemistry of the uppermost aquifer system such as pH and oxidation-reduction potential (ORP) and are also related to changes in the measured concentrations of CCR constituents.

# Section 3
# Alternative Source Demonstration

The 16th semi-annual detection monitoring event was conducted on March 20, 2025, per 30 TAC Chapter 352. Statistical evaluation of the results (comparison of downgradient monitoring results to 95 percent confidence/95 percent coverage upper tolerance limits [UTLs]) was performed within 60 days of sample collection to identify apparent SSIs above background pursuant to 30 TAC 352, Subpart H. Four apparent SSIs were identified: pH, boron, fluoride and sulfate.

Verification sampling was conducted on April 24, 2025, and NRG notified the TCEQ of its intent to prepare an ASD, addressing the apparent SSIs for boron, fluoride, pH, and sulfate.

The UTLs and sampling results for the apparent SSIs are provided in Table 1 below.

**Table 1 SSI – March 2025 Semi-annual Detection Monitoring Event**

| ANALYTE | WELL | LTL | UTL | SAMPLE DATE | VALUE | UNIT |
|---|---|---|---|---|---|---|
| pH | MW-01(DG) | 4.1 | 7.6 | 03/20/2025 | 3.80 | S.U. |
| Boron | MW-02(DG) | NA | 0.44 | 04/24/2025 | 0.776 | mg/L |
| Boron | MW-21(DG) | NA | 0.44 | 04/24/2025 | 0.823 | mg/L |
| Fluoride | MW-28R(UG) | NA | 0.26 | 04/24/2025 | 0.360 | mg/L |
| Sulfate | MW-28R(UG) | NA | 890 | 04/24/2025 | 897 | mg/L |
| Fluoride | MW-47(DG) | NA | 0.26 | 04/24/2025 | 0.390 | mg/L |
| Boron | MW-50(DG) | NA | 0.44 | 04/24/2025 | 0.913 | mg/L |
| Sulfate | MW-50(DG) | NA | 890 | 04/24/2025 | 1,510 | mg/L |

Notes: DG = Downgradient
UG = Upgradient
mg/L = milligrams per Liter

Alternative sources for the apparent SSIs encompass a range of apparent lines of reasoning and include the following non-CCR sources located in the vicinity of the Landfill:

- The Station and surrounding vicinity are densely populated with historical and current oil and gas activities consisting primarily of natural gas production wells;
- Monitor wells were completed into and screened across both lignite and shale seams that are a source of trace elements such as boron;
- A lignite mine is located immediately south of the Landfill and mining operations can impact the groundwater quality and pH of groundwater over an extended period of time; and

- Based on the results of a soil sampling event during monitor well installation during 2023, various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Acidity is transported from a mine in groundwater or by surface water runoff that can then infiltrate into groundwater. Through migration, such groundwater, can impact groundwater quality at and in the vicinity of the Landfill. During historical detection monitoring at the Landfill, the pH of groundwater at MW-21 has remained within the range of 5.0 to 5.6 S.U. As discussed in Section 2.2, low pH (< 6) conditions are favorable for the dissolution of boron from mineral surfaces in the soil and bedrock.

In summary, the apparent SSIs for pH, boron, fluoride, and sulfate for the 16th semi-annual detection monitoring event are most likely related to other non-CCR off-site sources (oil and gas activities or the historic lignite mine), the apparent presence of lignite seams within the screened portion of the monitor wells, or natural variations in groundwater geochemistry (acidic pH conditions) rather than a release to groundwater from the Landfill.

# Section 4
# Conclusions

Based on statistical evaluation of the March 20, 2025, semi-annual detection monitoring event and April 24, 2025, verification sampling analytical results, four apparent SSIs: pH, boron, fluoride, and sulfate; were identified for the Landfill. This ASD has identified the following lines of reasoning that support alternative sources for the apparent SSIs:

- Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents;
- As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitor wells were installed into and screened across these seams;
- The Jewett lignite surface mine is located approximately 1.5 south of the Landfill;
- Natural variations in groundwater geochemistry are likely related to changes in pH, ion exchanges, EC, and/or salinity; and
- Various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Therefore, based on the lines of reasoning presented in this ASD, alternative sources, and/or natural variations in groundwater geochemistry, rather than a release from the Landfill have been demonstrated to be responsible for the apparent SSIs observed. Based on this successful ASD, NRG will continue semi-annual detection monitoring for the Landfill per 30 TAC Chapter 352.

# Section 5
# References


BEG 1972. *Geologic Atlas of Texas, Waco Sheet*. The University of Texas at Austin, Bureau of Economic Geology. Reprinted 1972.

Halim, M. A., Majumder, R. K., Nessa, S. A., Hiroshiro, Y., Sasaki, K., Saha, B. B., Saepuloh, A., & Jinno, K., 2010. Evaluation of processes controlling the geochemical constituents in deep groundwater in Bangladesh: Spatial variability on arsenic and boron enrichment. *Journal of Hazardous Materials*, *180*(1–3), 50–62. https://doi.org/10.1016/J.JHAZMAT.2010.01.008.

Hollis, J. F., Keren, R., & Gal, M., 1988. Boron Release and Sorption by Fly Ash as Affected by pH and Particle Size. *Journal of Environmental Quality*, *17*(2), 181–184. https://doi.org/10.2134/JEQ1988.00472425001700020002X.

Keren, R., & Communar, G., 2009. Boron Sorption on Wastewater Dissolved Organic Matter: pH Effect. *Soil Science Society of America Journal*, *73*(6), 2021–2025. https://doi.org/10.2136/SSSAJ2008.0381.

Mid-East Texas Groundwater Conservation District (METGCD), 2019. GIS Data Portal. Available at: https://metgcd.halff.com/Map/Public. Accessed July 2, 2019.

Palmucci, W., & Rusi, S. (2014). Boron-rich groundwater in Central Eastern Italy: a hydrogeochemical and statistical approach to define origin and distribution. *Environmental Earth Sciences*, *72*(12), 5139–5157. https://doi.org/10.1007/s12665-014-3384-5.

Ravenscroft, P., & McArthur, J. M., 2004. Mechanism of regional enrichment of groundwater by boron: the examples of Bangladesh and Michigan, USA. *Applied Geochemistry*, *19*(9), 1413–1430. https://doi.org/10.1016/J.APGEOCHEM.2003.10.014.

Tabelin, C. B., Hashimoto, A., Igarashi, T., & Yoneda, T., 2014. Leaching of boron, arsenic and selenium from sedimentary rocks: II. pH dependence, speciation and mechanisms of release. *Science of The Total Environment*, *473–474*, 244–253. https://doi.org/10.1016/J.SCITOTENV.2013.12.029.

ERM 2018a. *2017 Annual Groundwater Monitoring Report, Landfill (Unit 004)*. ERM, January 2018

ERM 2017b. *Ground Water Monitoring Networks for Coal Combustion Residual (CCR) Rule Compliance Report*. ERM, October 2017.

TRC 2018b. *Statistical Methods Certification – Limestone Electric Generating Station*. TRC, August 2018.

TRC 2019a. *2018 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2019.

TRC 2019b. Technical Memorandum on Laboratory Quality Issues. TRC, April 24, 2019.

TRC 2019c. Technical Memorandum on Laboratory Change for CCR Sampling Events. TRC, July 19, 2019.

TWDB, 1990. *Aquifers of Texas*. Texas Water Development Board Report 380. Peter George, et al. July 2011.

Upadhyaya, D., Survaiya, M. D., Basha, S., Mandal, S. K., Thorat, R. B., Haldar, S., Goel, S., Dave, H., Baxi, K., Trivedi, R. H., & Mody, K. H., 2014. Occurrence and distribution of selected heavy metals and boron in groundwater of the Gulf of Khambhat region, Gujarat, India. *Environmental Science and Pollution Research*, *21*(5), 3880–3890. https://doi.org/10.1007/s11356-013-2376-4.

United States Department of Energy, Office of Scientific and Technical Information, 1983. Trace elements in Texas Lignite.

United States Environmental Protection Agency, 2008. Drinking Water Health Advisory For Boron. *Office of Water U.S. Environmental Protection Agency Washington, DC*, *822-R-08–0*. https://www.epa.gov/environmental-topics/water-topics.

United States Geological Survey, 2018. National Produced Waters Geochemical Database, USGS IDs 99922 through 99929. United State Geological Survey. Accessed on July 16, 2018.

TRC 2020. *2019 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2020.

TRC 2021. *2020 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2021.

TRC 2022. *2021 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2022.

TRC 2023. *2022 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2023.

TRC 2024. *2023 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2024.

TRC 2025. *2024 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2025.

# Figures




CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Generating Station**
**F.M. 39 Road, Jewett, Texas 75838**

TITLE

## LOCATION OF CCR LANDFILL

| | | |
|---|---|---|
| DRAWN BY: **O. Fonseka** | REQUEST BY: **J. Atwell** | PROJECT NO. **585632** |
| DWG. DATE: **January 2025** | PROJECT-MGR: **T. Dworaczyk** | FIGURE **1** |

TRC
11767 KATY FREEWAY, SUITE 850
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

LAST EDIT: 01/22/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025\ Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg
DRAWING By: **Oskar Fonseka** - FILE NAME: Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg




## LEGEND

- Landfill Background CCR Locations
- Landfill CCR Monitor Well
- *447.24* Groundwater Elevation (FT MSL)
- Groundwater Flow Direction
- Groundwater Elevation Contour - Dashed where Inferred (FT MSL)
- CCR Landfill Boundary

STATE OF TEXAS
ANTHONY DWORACZYK
GEOLOGY
2658
LICENSED
PROFESSIONAL GEOSCIENTIST
8/15/25

NOTE:
GROUNDWATER ELEVATIONS MEASURED BY HMI IN MARCH 2025.

0 690 1,380 FT

1 " = 700 '
1:8,400

N

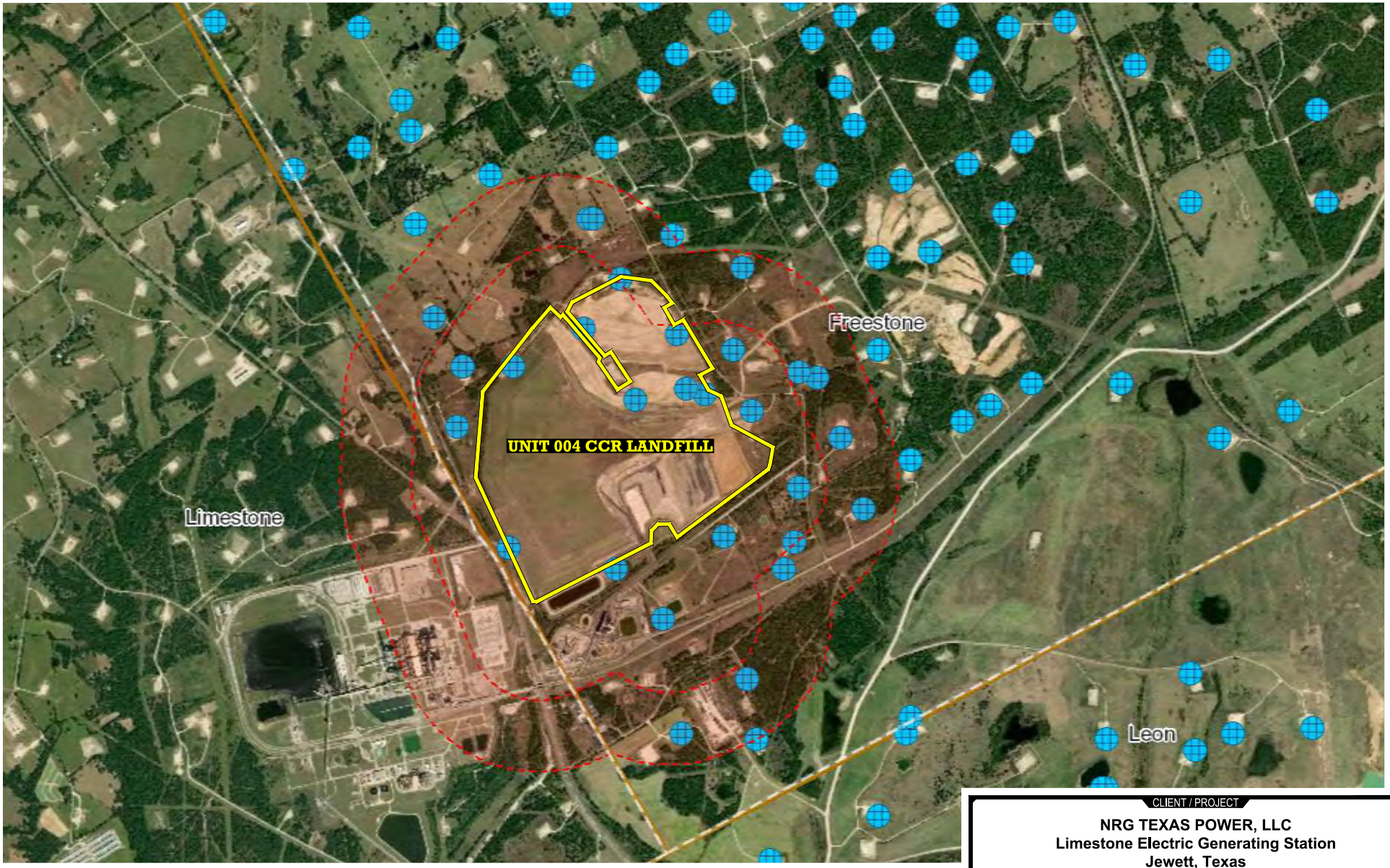
PROJECT:
**NRG TEXAS POWER, LLC**
**LIMESTONE**
**JEWETT, TEXAS**

TITLE:
# GROUNDWATER POTENTIOMETRIC SURFACE - MARCH 2025

| | | | |
|---|---|---|---|
| DRAWN BY: | F. Yarbrough | PROJ. NO.: | 652117.0000.0000 |
| CHECKED BY: | A. Heikkila | | |
| APPROVED BY: | A. Dworaczyk | | **FIGURE 2** |
| DATE: | August 2025 | | |

TRC
11767 Katy Freeway
Suite 850
Houston, TX, 77079
Phone 281.616.0100
www.trccompanies.com

FILE NO.: 652117_2-2.mxd




July 3, 2019

**polygonLayer**

Override 1

METGCD Wells

**METGCD Wells**

Yes

Counties

1:36,112

0 0.3 0.6 1.2 mi

0 0.5 1 2 km

Halff Associates, Inc.

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user

CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Electric Generating Station**
**Jewett, Texas**

TITLE

## OIL AND GAS WELL MAP

| | | |
|---|---|---|
| DRAWN BY: O. Fonseka | REQUEST BY: T. Dworaczyk | PROJECT NO. 528473 |
| DWG. DATE: October 2023 | PROJECT-MGR: T. Dworaczyk | |

TRC
14701 ST. MARY'S LANE, STE. 500
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

FIGURE 3

# Tables

**Soil Samples - Table 1 - Appendix III**
**December 2023 and April 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | NRG App III | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | Boron | | Calcium | | Chloride | | Fluoride | | Sulfate | | pH, Field | |
| Unit | | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | su | |
| Well ID | Sample Date | Duplicate | | | | | | | | | | | | |
| Landfill - NRG LIM | | | | | | | | | | | | | | |
| MW-47 (13') | 12/12/2023 | N | 1.14 | J | 1,130 | | 13.0 | | 1.57 | | 15.4 | | 7.79 | |
| MW-47 (17') | 12/12/2023 | N | 1.46 | J | 2,310 | | 7.64 | | 1.39 | | 5.45 | | 8.02 | |
| MW-48 (11') | 12/12/2023 | N | 1.01 | J | 1,010 | | 19.8 | | 1.52 | | 90.5 | | 7.38 | |
| MW-48 (18') | 12/12/2023 | N | 1.14 | J | 1,460 | | 52.2 | | 1.18 | | 27.9 | | 7.89 | |
| MW-49 (7') | 12/12/2023 | N | 10.0 | | 3,940 | | 24.3 | | 1.08 | | 667 | | 7.58 | |
| MW-49 (14') | 12/12/2023 | N | 1.23 | J | 1,180 | | 32.0 | | 1.58 | | 3.62 | J | 7.17 | |
| MW-50 (5') | 12/13/2023 | N | 1.70 | J | 1,360 | | 7.88 | | 0.686 | J | 179 | | 6.04 | |
| MW-50 (10') | 12/13/2023 | N | 1.83 | J | 2,900 | | 4.27 | J | <0.300 | | 83.3 | | 6.03 | |
| MW-51 (2.5'-5') | 4/21/2025 | N | 2.83 | | 1220 | | 44.6 | | 1.21 | | 604 | | 6.03 | |
| MW-51 (37.5'-40') | 4/21/2025 | N | 1.81 | J | 2240 | | 40.8 | | 1.31 | | 29.2 | | 7.73 | |
| MW-52 (2.5'-5') | 4/21/2025 | N | 4.55 | | 3190 | | 5.73 | | 6.51 | | 153 | | 7.76 | |
| MW-52 (30'-32') | 4/21/2025 | N | 3.10 | | 12100 | | 87.1 | | 1.56 | | 39.3 | | 8.47 | |
| MW-53 (2.5'-5') | 4/22/2025 | N | 1.55 | J | 3150 | | 190 | | 9.17 | | 484 | | 8.11 | |
| MW-53 (22'-24.5') | 4/22/2025 | N | 1.03 | J | 2700 | | 13.3 | | 2.11 | | 22.0 | | 7.46 | |

**Notes**

| | |
|---|---|
| N | Normal sample |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but ≥ to the method detection limit. |
| U | Analyte was not detected at or above the method detection limit. |
| MW | Monitor well |
| (13') | Depth in feet of soil sample collection. |
| mg/kg | Miligrams per kilograms |

**Soil Samples - Table 2 - Appendix IV**
**December 2023 and April 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | NRG App IV | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | Antimony | | Arsenic | | Barium | | Beryllium | | Cadmium | | Chromium | | Cobalt | | Lead | | Lithium | | Molybdenum | | Selenium | | Thallium | | Mercury | |
| Unit | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | |
| **Well ID** | **Sample Date** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Landfill - NRG LIM** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-47 (13') | 12/12/2023 | <0.0634 | | 1.85 | | 44.4 | | 0.273 | J | 0.0582 | J | 8.36 | | 4.13 | | 2.12 | | 4.09 | | 0.126 | J | 0.957 | | <0.217 | U | 0.00377 | |
| MW-47 (17') | 12/12/2023 | <0.0623 | | 0.724 | | 57.3 | | 0.266 | J | 0.0312 | J | 12.4 | | 3.05 | | 3.00 | | 5.69 | | 0.0277 | J | 0.534 | | <0.214 | U | 0.0116 | |
| MW-48 (11') | 12/12/2023 | <0.0606 | | 1.65 | | 30.5 | | 0.255 | J | <0.0252 | | 8.28 | | 3.33 | | 3.69 | | 4.22 | | 0.128 | J | 0.408 | J | <0.208 | U | 0.00635 | |
| MW-48 (18') | 12/12/2023 | 0.0653 | J | 2.36 | | 266 | | 0.334 | J | 0.0708 | J | 10.1 | | 4.53 | | 5.72 | J | 4.85 | | 0.157 | J | 0.603 | | <0.206 | U | 0.00616 | |
| MW-49 (7') | 12/12/2023 | 0.0669 | J | 4.60 | | 150 | | 0.668 | | 0.0537 | J | 13.3 | | 6.40 | | 6.90 | J | 5.57 | | 0.291 | J | 1.21 | | <0.212 | U | 0.0138 | |
| MW-49 (14') | 12/12/2023 | 0.0862 | J | 1.97 | | 101 | | 0.381 | J | 0.0511 | J | 8.70 | | 6.70 | | 7.28 | | 2.89 | | 0.190 | J | 0.639 | | <0.212 | U | 0.0121 | |
| MW-50 (5') | 12/13/2023 | 0.0781 | J | 2.34 | | 69.8 | | 0.373 | J | <0.0262 | | 9.49 | | 4.03 | | 5.18 | | 2.80 | | 0.191 | J | 0.557 | | <0.217 | U | 0.0111 | |
| MW-50 (10') | 12/13/2023 | <0.0618 | | 2.37 | | 34.5 | | 0.475 | | 0.111 | J | 13.5 | | 4.76 | | 5.76 | | 5.88 | | 0.0948 | J | 0.796 | | <0.212 | U | 0.0411 | |
| MW-51 (2.5'-5') | 4/21/2025 | 0.118 | J | 2.54 | | 93.7 | | 0.310 | J | <0.0261 | U | 8.88 | | 4.25 | | 9.70 | | 2.09 | | 0.245 | J | 0.491 | | <0.216 | U | 0.00924 | |
| MW-51 (37.5'-40') | 4/21/2025 | 0.0623 | J | 2.64 | | 37.2 | | 0.332 | J | 0.158 | J | 8.83 | | 5.18 | | 6.75 | | 6.09 | | 0.170 | J | 0.498 | | <0.203 | U | 0.0104 | |
| MW-52 (2.5'-5') | 4/21/2025 | 0.0694 | J | 2.70 | | 95.3 | | 0.411 | J | 0.0565 | J | 11.7 | | 3.61 | | 3.38 | | 5.85 | | 0.115 | J | 0.816 | | <0.217 | U | 0.0161 | |
| MW-52 (30'-32') | 4/21/2025 | 0.0765 | J | 3.20 | | 107 | | 0.453 | J | 0.195 | J | 13.4 | | 7.21 | | 6.88 | | 7.88 | | 0.342 | J | 0.654 | | <0.220 | U | 0.0258 | |
| MW-53 (2.5'-5') | 4/22/2025 | 0.0921 | J | 4.25 | | 183 | | 0.641 | | 0.0763 | J | 10.2 | | 17.5 | | 9.26 | | 3.73 | | 0.201 | J | 0.522 | | <0.211 | U | 0.0125 | |
| MW-53 (22'-24.5') | 4/22/2025 | 0.0806 | J | 2.02 | | 87.7 | | 0.319 | J | 0.120 | J | 6.53 | | 5.32 | | 6.15 | | 2.85 | | 0.126 | J | 0.384 | J | <0.217 | U | 0.00997 | |

**Notes**

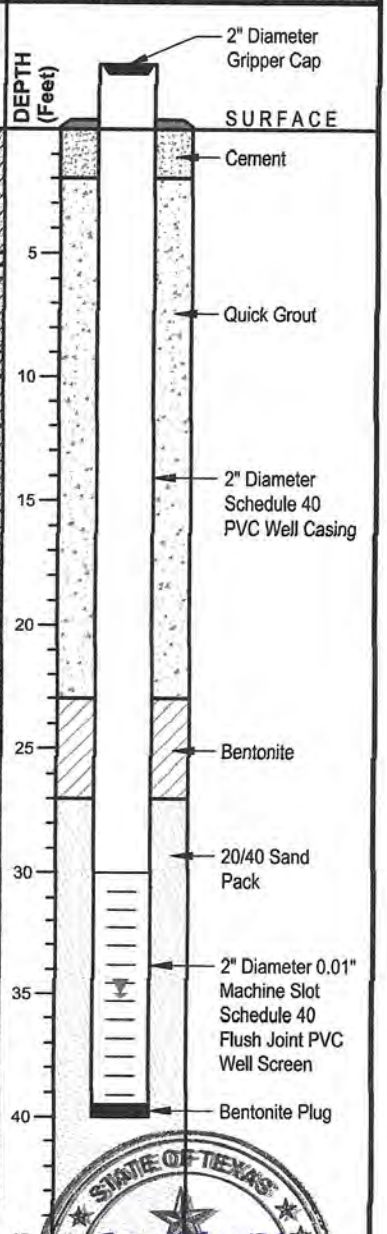
| | |
|---|---|
| N | Normal sample |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but ≥ to the method detection limit. |
| U | Analyte was not detected at or above the method detection limit. |
| MW | Monitor well |
| (13') | Depth in feet of soil sample collection. |
| mg/kg | Miligrams per kilograms |

# Attachment

| WELL ID: | MW-51 | LOCATION COORDINATES: |
|---|---|---|
| DATE STARTED: | 04/21/2025 | 31.434980, -96.232531 |
| DATE COMPLETED: | 04/21/2025 | |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 455.31 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 457.84 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 45 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION | GRAPHIC LOG |
|---|---|---|---|---|---|
| 5 | | 75 | | Lean Clay, CL, with sand, brown 2.5 YR 3/3, dark reddish brown, dry to moist soft clay. Semi cohesive, medium, low plasticity (0- 4'). highly cohesive, hard, high plasticity (4'-5') | |
| | | 80 | | Clay, CH, 5 YR 3/3, dark reddish-brown, dry to moist, high plasticity, high cohesive, hard, with small amounts of sand. | |
| | | | | Clay, CH, 5 YR 4/4, reddish brown, moist, hard, high cohesive, high plasticity. | |
| 10 | | | | Sandy Clay, CL, 7.5 YR 3/3, dark brown, dry to moist, semi cohesive, medium plasticity. | |
| | | 80 | | Sandy Clay, CL, 7.5 YR 4/3 brown, moist, semi cohesive, low plasticity | |
| | | | | Clay, brown, CH, 5 YR 4/3 dry to moist, high plasticity, high cohesive | |
| 15 | | | | Sandy Clay, CL, 7.5 YR 4/3, brown, dry to moist, semi cohesive, low plasticity. med plasticity, semi cohesive, medium. | |
| | | 75 | | Clayey Sand, SC, 7.5 YR 4/4, brown, dry to moist, low cohesive, soft. | |
| 20 | | 30 | | | |
| 25 | | 30 | | Clayey Sand, SC, with thin beds of Lignite, 7.5 YR 5/5, brown, dry to moist, hard. | |
| 30 | | | | Clay, CH, 7.5 YR 5/5, reddish brown, moist, high plasticity, high cohesiveness. | |
| | | 70 | | Clay, CL, 2.5 YR, 5/6, red, with sand, very fine, low to medium cohesive, soft. | |
| 35 | | | | Thin layers of lignite rock, with reddish brown sand, medium to hard, low cohesive. | |
| | | 70 | | Silty Sand, SM, 7.5 YR 3/3, dark brown, very moist, very fine, low cohesive, poorly sorted, well graded, very fine. | |
| 40 | | 50 | | Saturated Silty Sand, SM, 7.5 YR 4/4, brown, high cohesive. | |
| 45 | | | | Clay, CH, 5 YR 4/3, dark brown, high plasticity, high cohesive 44.5 – 45. | |




▼ Initial Water Level (35 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

STATE OF TEXAS
5-12-25
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
Exp 4/30/26

| TRC | NRG TEXAS POWER, LLC | Soil Log and Well Construction Details | REVISION DATE 05/05/2025 | PAGE 1 |
|---|---|---|---|---|
| 11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079 | Limestone Generating Station | MW-51 | DRAWING DATE 05/05/2025 | OF 1 |
| PHONE: 281-616-0100 TRCcompanies.com | F.M. 39 Road, Jewett, Texas 75838 | | REQUEST BY J. Atwell | |
| | | | DRAWING BY O. Fonseka | |

LAST EDIT: 05/12/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025\ NRG-LimestoneStation - MW Logs.dwg

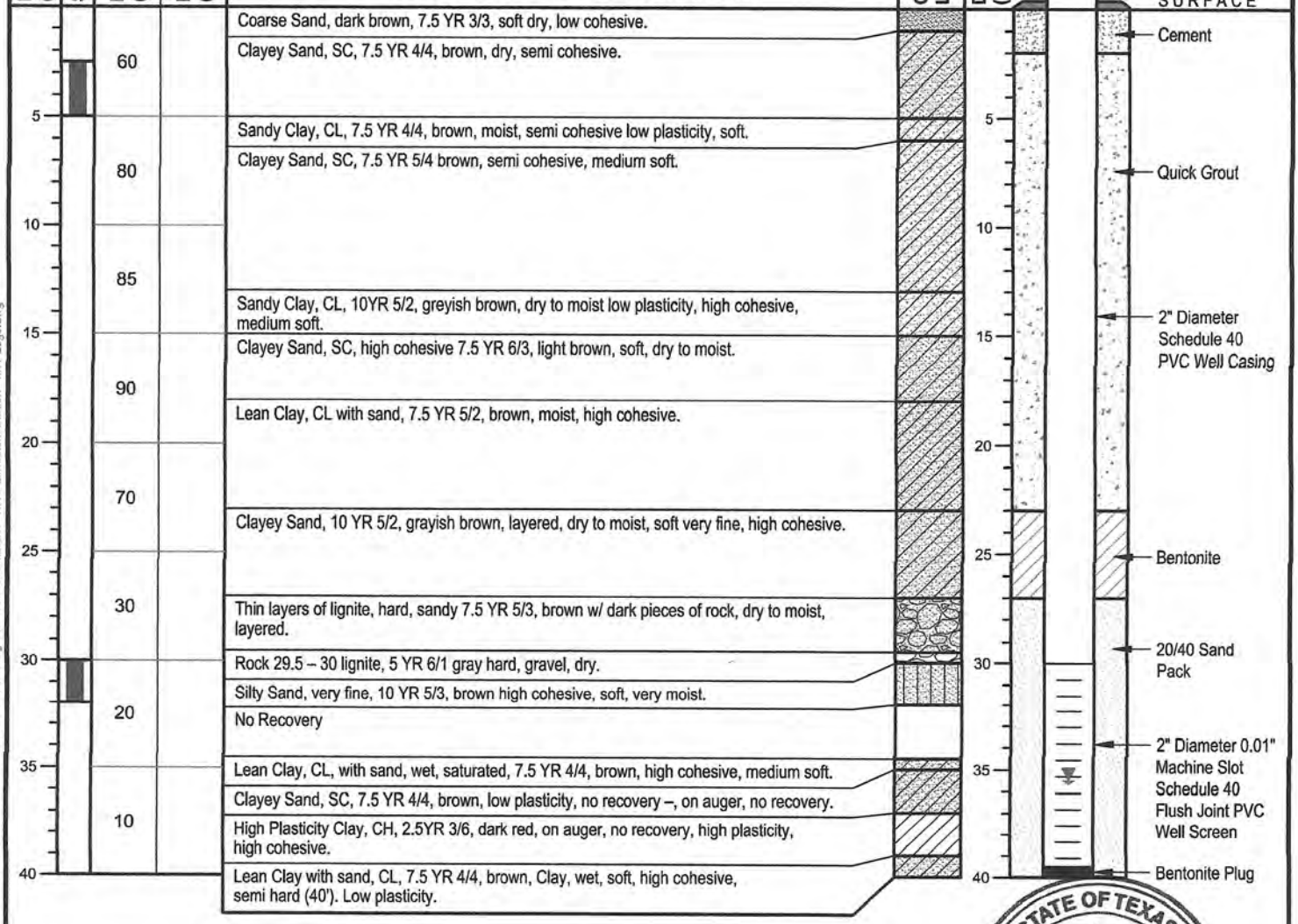
DRAWING By: Oskar Fonseka - FILE NAME: NRG-LimestoneStation - MW Logs.dwg

PROJECT NUMBER: 652117

| WELL ID: | MW-52 | |
|---|---|---|
| DATE STARTED: | 04/21/2025 | LOCATION COORDINATES: |
| DATE COMPLETED: | 04/21/2025 | 31.436578, -96.234201 |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 467.35 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 469.85 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 40 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION |
|---|---|---|---|---|
| 0 | | | | Coarse Sand, dark brown, 7.5 YR 3/3, soft dry, low cohesive. |
| | | 60 | | Clayey Sand, SC, 7.5 YR 4/4, brown, dry, semi cohesive. |
| 5 | | | | Sandy Clay, CL, 7.5 YR 4/4, brown, moist, semi cohesive low plasticity, soft. |
| | | 80 | | Clayey Sand, SC, 7.5 YR 5/4 brown, semi cohesive, medium soft. |
| 10 | | | | |
| | | 85 | | |
| 15 | | | | Sandy Clay, CL, 10YR 5/2, greyish brown, dry to moist low plasticity, high cohesive, medium soft. |
| | | 90 | | Clayey Sand, SC, high cohesive 7.5 YR 6/3, light brown, soft, dry to moist. |
| 20 | | | | Lean Clay, CL with sand, 7.5 YR 5/2, brown, moist, high cohesive. |
| | | 70 | | |
| 25 | | | | Clayey Sand, 10 YR 5/2, grayish brown, layered, dry to moist, soft very fine, high cohesive. |
| | | 30 | | Thin layers of lignite, hard, sandy 7.5 YR 5/3, brown w/ dark pieces of rock, dry to moist, layered. |
| 30 | | | | Rock 29.5 – 30 lignite, 5 YR 6/1 gray hard, gravel, dry. |
| | | 20 | | Silty Sand, very fine, 10 YR 5/3, brown high cohesive, soft, very moist. |
| | | | | No Recovery |
| 35 | | | | Lean Clay, CL, with sand, wet, saturated, 7.5 YR 4/4, brown, high cohesive, medium soft. |
| | | 10 | | Clayey Sand, SC, 7.5 YR 4/4, brown, low plasticity, no recovery –, on auger, no recovery. |
| | | | | High Plasticity Clay, CH, 2.5YR 3/6, dark red, on auger, no recovery, high plasticity, high cohesive. |
| 40 | | | | Lean Clay with sand, CL, 7.5 YR 4/4, brown, Clay, wet, soft, high cohesive, semi hard (40'). Low plasticity. |




STATE OF TEXAS
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
5-12-25
Exp. 4/30/26

▼ Initial Water Level (34.55 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.


TRC
11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079
PHONE: 281-616-0100 TRCcompanies.com


**NRG TEXAS POWER, LLC**
Limestone Generating Station
F.M. 39 Road, Jewett, Texas 75838

Soil Log and Well Construction Details
MW-52

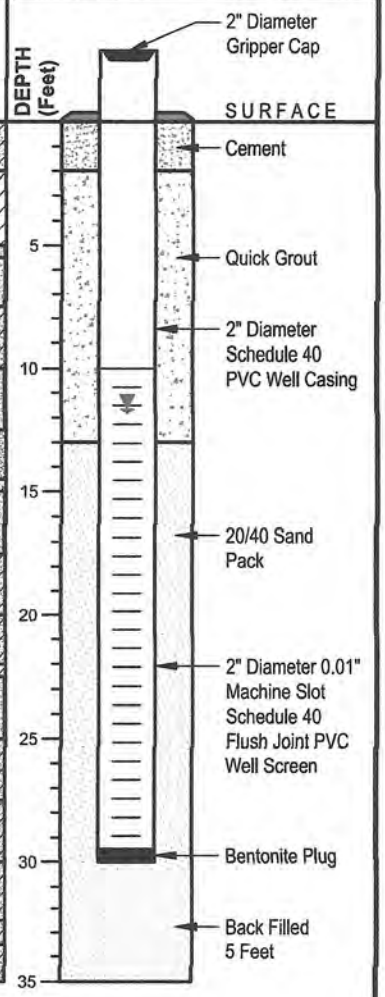
| REVISION DATE | 05/06/2025 |
|---|---|
| DRAWING DATE | 05/06/2025 |
| REQUESTED BY | J. Atwell |
| DRAWING BY | O. Fonseka |

PAGE 1 OF 1

| WELL ID: | MW-53 | |
|---|---|---|
| DATE STARTED: | 04/22/2025 | LOCATION COORDINATES: |
| DATE COMPLETED: | 04/22/2025 | 31.436640, -96.246780 |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 453.55 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 456.50 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 35 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION | GRAPHIC LOG |
|---|---|---|---|---|---|
| 0 | | 95 | | Sandy Clay, CL, brown 7.5 YR 4/4, dry to moist, high cohesive, low to med plasticity. | |
| | | | | Clay, CH, 10 YR 5/2, grayish brown, high cohesive, moist, high plasticity. | |
| 5 | | 75 | | Silty Sand, SM, very fine dry to moist, 10 YR 5/1, gray, low cohesive, portly sorted, well graded. | |
| | | | | weathering, 5 YR 5/3, reddish brown. | |
| | | | | High Plasticity, Clay, CH, with sand, 7.5 YR 4/4, brown, moist, high cohesive | |
| 10 | | 50 | | Silty Sand, SM, YR 5/3, reddish brown, very moist, soft, poorly sorted, well graded, very fine. | |
| | | | | Sand, grayish, brown, very fine, very moist, low cohesive, 10 YR 5/2. | |
| 15 | | 80 | | Low plasticity Clay with sand, 7.5 YR 4/4, brown, moist, high cohesive, , soft. | |
| | | | | Silty Sand, SM, 10 YR 5/2, brownish gray, moist, very fine. | |
| | | | | Lean Clay CL, with sand, reddish brown, high cohesive, moist . Low plasticity. | |
| 20 | | 80 | | Clayey Sand, SC, 5 YR 5/3, reddish brown, soft, wet, high cohesive. | |
| | | | | Clay, CH, brown, 7.5 YR 4/4, high plasticity. | |
| 25 | | | | Silty Sand, SM, brown weathered red, very fine, high cohesive, wet. | |
| | | 90 | | High Plasticity Clay, CH, with sand, 7.5 Yr 4/4, reddish brown, moist, weathered brown. | |
| | | | | very moist | |
| 30 | | 70 | | Low Plasticity Clay, CL with sand, 7.5 Yr 4/4, reddish brown, weathered, moist. | |
| | | | | Clayey Sand, SC, 7.5 4/4, brown, weathered reddish brown, wet, brown. | |
| 35 | | | | Sandy Clay, CL, brown 7.5Yr4/4. | |




STATE OF TEXAS
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
5-12-25
Exp 4/30/26

▼ Initial Water Level (11.80 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.


TRC
11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079
PHONE: 281-616-0100 TRCcompanies.com


**NRG TEXAS POWER, LLC**
Limestone Generating Station
F.M. 39 Road, Jewett, Texas 75838

Soil Log and Well Construction Details
MW-53

REVISION DATE: 05/06/2025
DRAWING DATE: 05/06/2025
REQUEST BY: J. Atwell
DRAWING BY: O. Fonseka

PAGE 1 OF 1

11767 Katy Freeway, Suite 850, Houston, TX 77079
T: 281.616.0100 TRCcompanies.com

December 22, 2025

Mr. Martin Torres
Section Manager
Industrial and Hazardous Waste Permits Section – MC-130
Texas Commission on Environmental Quality
PO Box 13087
Austin, Texas 78711-3087

Subject: CCR Alternate Source Demonstrations
NRG Texas Limestone Electric Generating Station Industrial Solid Waste Registration No. 32490
EPA Identification No. TXD000837336
RN103053963/CN603207218, CCR115

**Transmitted via email** CCRNotify@tceq.texas.gov

Dear Mr. Torres,

On behalf of NRG Texas, TRC is submitting the Alternate Source Demonstrations (ASDs) for the NRG Limestone Electric Generating Station.

NRG will continue to comply with the Texas Coal Combustion Residuals Program (CCR), Chapter 352 CCR Waste Management Rules. As always, NRG continues to be committed to working with the TCEQ and partner with the communities they serve; their common goal is the protection of human health and the environment in the areas surrounding operations at their facilities.

Please do not hesitate to contact me via email at adworaczyk@trccompanies.com or phone at 832-904-1925 if you need additional information or wish to discuss this request. As always, we continue to be committed to working with the TCEQ and partner with the communities we serve; our common goal is the protection of human health and the environment in the areas surrounding operations at our facilities.

Sincerely,

Tony Dworaczyk, PG
Senior Project Manager
TRC

Cc: Craig Eckberg (NRG Director, Environmental Services)
Carl Burch (NRG Environmental Manager)
Jason Scott (NRG Environmental Specialist/RSO)

Texas Commission on Environmental Quality

# Waste Permits Division Correspondence Cover Sheet

Date: December 22, 2025
Facility Name: NRG-Limestone Generating Station
Permit or Registration No.: CCR 115

Nature of Correspondence:
☒ Initial/New
☐ Response/Revision to TCEQ Tracking No.: _____ (from subject line of TCEQ letter regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

| Applications | Reports and Notifications |
|---|---|
| ☐ New Notice of Intent | ☐ Alternative Daily Cover Report |
| ☐ Notice of Intent Revision | ☐ Closure Report |
| ☐ New Permit (including Subchapter T) | ☐ Compost Report |
| ☐ New Registration (including Subchapter T) | ☒ Groundwater Alternate Source Demonstration |
| ☐ Major Amendment | ☐ Groundwater Corrective Action |
| ☐ Minor Amendment | ☐ Groundwater Monitoring Report |
| ☐ Limited Scope Major Amendment | ☐ Groundwater Background Evaluation |
| ☐ Notice Modification | ☐ Landfill Gas Corrective Action |
| ☐ Non-Notice Modification | ☐ Landfill Gas Monitoring |
| ☐ Transfer/Name Change Modification | ☐ Liner Evaluation Report |
| ☐ Temporary Authorization | ☐ Soil Boring Plan |
| ☐ Voluntary Revocation | ☐ Special Waste Request |
| ☐ Subchapter T Disturbance Non-Enclosed Structure | ☐ Other: |
| ☐ Other: | |

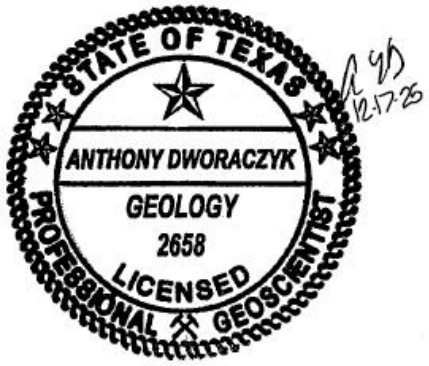
Table 2 - Industrial & Hazardous Waste Correspondence

| Applications | Reports and Responses |
|---|---|
| ☐ New | ☐ Annual/Biennial Site Activity Report |
| ☐ Renewal | ☐ CPT Plan/Result |
| ☐ Post-Closure Order | ☐ Closure Certification/Report |
| ☐ Major Amendment | ☐ Construction Certification/Report |
| ☐ Minor Amendment | ☐ CPT Plan/Result |
| ☐ CCR Registration | ☐ Extension Request |
| ☐ CCR Registration Major Amendment | ☐ Groundwater Monitoring Report |
| ☐ CCR Registration Minor Amendment | ☐ Interim Status Change |
| ☐ Class 3 Modification | ☐ Interim Status Closure Plan |
| ☐ Class 2 Modification | ☐ Soil Core Monitoring Report |
| ☐ Class 1 ED Modification | ☐ Treatability Study |
| ☐ Class 1 Modification | ☐ Trial Burn Plan/Result |
| ☐ Endorsement | ☐ Unsaturated Zone Monitoring Report |
| ☐ Temporary Authorization | ☐ Waste Minimization Report |
| ☐ Voluntary Revocation | ☐ Other: |
| ☐ 335.6 Notification | |
| ☐ Other: | |

I hereby certify that the alternative source demonstration presented within this document for the NRG Limestone Coal Ash Disposal Landfill CCR Unit has been prepared to meet the requirements of 30 TAC 352.4; 352.941(c); and 352.1321. This document is accurate and has been prepared in accordance with good geosciences practices, including the consideration of applicable industry standards, and with the requirements of 30 TAC 352.4; 352.941(c); and 352.1321.

**Name:** Tony Dworaczyk **Expiration Date:** 1/30/2026

**Company:** TRC Environmental Corporation **Date:** 12/17/2025



# Alternative Source Demonstration

## Limestone Electric Generating Station
## Landfill (Unit 004)

TCEQ Coal Combustion Residuals (CCR) Registration No. CCR115
Industrial Solid Waste Registration No. 32490
EPA Identification No. TXD000837336
RN100542927/CN603207218

December 2025

*Prepared For*
*NRG Texas Power, LLC*
*Jewett, Texas*


Gregory E. Tieman, L.R.S.
Senior Client Service Manager

Tony Dworaczyk, P.G.
Project Manager





11767 KATY FREEWAY, SUITE 850, HOUSTON, TX 77079 ● 713.244.1073 PHONE ● WWW.TRCCOMPANIES.COM

# Table of Contents

Executive Summary ..... ii

Section 1 Introduction ..... 1-1

1.1 Background ..... 1-1

1.1.1 Groundwater Monitoring Program ..... 1-1

1.2 Purpose ..... 1-2

Section 2 Site Geology and Hydrogeology ..... 2-1

2.1 Hydrogeology ..... 2-1

2.2 Site Specific Information ..... 2-1

2.3 Surrounding Area ..... 2-2

2.3.1 Oil and Gas Production Wells ..... 2-2

2.3.2 Lignite Mine ..... 2-3

2.3.3 Lignite/Shale Seams in Monitoring Wells ..... 2-4

2.4 Groundwater Geochemistry ..... 2-4

2.4.1 Boron in Groundwater ..... 2-5

2.4.2 Sulfate in Groundwater ..... 2-5

2.4.3 Fluoride in Groundwater ..... 2-6

Section 3 Alternative Source Demonstration ..... 3-1

Section 4 Conclusions ..... 4-1

Section 5 References ..... 5-1

## List of Figures

Figure 1 Site Map

Figure 2 Potentiometric Flow Map – August 2025

Figure 3 METGCD Well Map

## List of Tables

Table 1 Soil Samples - Appendix III

Table 2 Soil Samples - Appendix IV

## Attachments

Attachment 1 Boring Logs

# Executive Summary

The NRG Texas Power, LLC (NRG) Limestone Electric Generating Station (Station) is located approximately seven miles northwest of Jewett, Texas and approximately 0.5 miles north of the intersection of Limestone, Freestone, and Leon Counties. Units managing coal combustion residuals (CCR) at the Station are subject to the requirements of 30 Texas Administrative Code (TAC) Chapter 352. CCR generated at the Station consists of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge. The Station has one active CCR unit, the Landfill (Unit 004), that is managed pursuant to 30 TAC Chapter 352, which is the subject of this Alternative Source Demonstration (ASD).

The 17th semi-annual groundwater detection monitoring event was conducted on August 13, 2025. Verification sampling was performed for this sampling event on September 4, 2025. Statistical evaluation of the Appendix III monitoring parameters was performed within 60 days of sample collection to identify apparent statistically significant increases (SSIs) above background pursuant to 30 TAC 352 Subpart H. Three apparent SSIs: boron, fluoride and sulfate were identified. TRC, on behalf of NRG notified the Texas Commission on Environmental Quality (TCEQ) of its intent to prepare an ASD.

As previously described in the ASD for the third semi-annual detection monitoring event, persistent, unresolvable issues with data quality necessitated establishment of a new background water quality data set. The new background water quality data set was developed for both Appendix III and Appendix IV CCR constituents collected quarterly from the second half of 2019 (July) through the first half of 2021 (April). The August 2025 semi-annual detection monitoring event analytical results are the ninth data set statistically evaluated using the new background water quality data set.

This ASD successfully identified alternative sources for the apparent SSIs at the Landfill, based on the following lines of reasoning:

- Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents;
- As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitor wells were installed into and screened across these seams;
- The Jewett lignite surface mine is located approximately 1.5 miles south of the Landfill;
- Natural variations in groundwater geochemistry are likely related to changes in pH, ion exchanges, EC (electrical conductivity), and/or salinity; and
- Various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Therefore, based on the lines of reasoning presented in this ASD, alternative sources, and/or natural variations in groundwater geochemistry, rather than a release from the Landfill have been demonstrated to be responsible for the apparent SSIs observed. Based on this successful ASD, NRG will continue semi-annual detection monitoring for the Landfill per 30 TAC Chapter 352.

# Section 1
# Introduction

## 1.1 Background

The NRG Texas Power, LLC (NRG) Limestone Electric Generating Station (Station) is located approximately seven miles northwest of Jewett, Texas and approximately 0.5 miles north of the intersection of Limestone, Freestone, and Leon Counties. The Station is bisected by Farm-to-Market Road 39 (FM 39), which runs north-south through the middle of the Station. The western portion of the Station is located in Limestone County and includes the electricity generating portion of the Station. The eastern portion of the Station is located in Freestone County and includes the solid waste disposal area (SWDA).

Management of coal combustion residuals (CCR) at the Station is performed pursuant to 30 Texas Administrative Code (TAC) Chapter 352, which became effective during June 2021. Prior to this, management of CCR was performed pursuant to the United States Environmental Protection Agency (USEPA) final rule for the regulation and management of CCR under the Resource Conservation and Recovery Act (RCRA) Title 40, Code of Federal Regulations, Part 257 (40 CFR §257) (CCR Rule, effective date October 17, 2015). CCR generated at the Station consists of fly ash, bottom ash, and flue gas desulfurization (FGD) scrubber sludge, which have been classified by the TCEQ as Class II nonhazardous waste. The Station has one active CCR-management unit – Landfill (Unit 004).

The Landfill is located within the eastern portion of the Station as shown on Figure 1. The Landfill was constructed in 1980 and is used for the final disposition of CCR. The western half of the Landfill has reached capacity and historically had been closed and capped prior to the effective date of the CCR Rule (October 19, 2015). CCR is currently being placed at the southern part of the eastern portion of the Landfill.

### 1.1.1 Groundwater Monitoring Program

The certified CCR monitoring well network for the Landfill consists of two upgradient background monitoring wells (MW-27R and MW-28) and eight downgradient monitoring wells (MW-01, MW-02, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-47, MW-48, MW-49, and MW-50. Three additional downgradient monitor wells (MW-51, MW-52, and MW-53) were installed in April 2025 and added to the CCR monitoring network. A groundwater potentiometric surface map was prepared by TRC for the August 2025 semi-annual detection monitoring event and is provided in this ASD as Figure 2. The direction of groundwater flow beneath the Landfill was to the south - southwest.

On behalf of NRG, Environmental Resources Management, Inc. (ERM) conducted eight independent background groundwater detection monitoring events for both the Appendix III and IV CCR constituents between April 2015 and August 2017 per §257.94(b) of the federal CCR Rule and the first semi-annual

detection monitoring event in October 2017. Results of the eight background and first semi-annual detection monitoring events were documented in the *Annual Groundwater Monitoring Report, Landfill (Unit 004)* (ERM 2018a) pursuant to §257.90(e).

The Station has continued to conduct semi-annual detection monitoring at the Landfill per the federal CCR Rule and 30 TAC Chapter 352. As of the March 2025 sampling event, a total of 17 semi-annual detection monitoring events have now been performed. Following each semi-annual detection monitoring sampling event, the results have been evaluated for potential SSIs, and ASDs have been prepared as needed. Since implementation of 30 TAC Chapter 352, the ASDs have been submitted to TCEQ for review and approval. The semi-annual detection monitoring activities and ASDs have been included in the Annual Groundwater Monitoring and Corrective Action reports, which have been placed into the Facility Operating Record (FOR) and posted to NRG's publicly accessible website.

As previously described in the ASD for the third semi-annual detection monitoring event, persistent, unresolvable issues with data quality necessitated establishment of a new background water quality data set. The new background water quality data set was developed for both Appendix III and Appendix IV CCR constituents collected quarterly from the third half of 2019 (July) through the first of half 2021 (April). The August 2025 semi-annual detection monitoring event analytical results are the ninth data set statistically evaluated using the new background water quality data set.

## 1.2 Purpose

TRC prepared this ASD to evaluate three apparent SSIs above background levels: boron, fluoride and sulfate; for the 17$^{th}$ semi-annual detection monitoring event in accordance with 30 TAC Chapter 352.

# Section 2
# Site Geology and Hydrogeology

This section provides information about the geology and hydrogeology of the Station and the area at and surrounding the Landfill.

## 2.1 Hydrogeology

Based on the *Geologic Atlas of Texas, Waco Sheet* (BEG 1972), the Station is primarily located within the outcrop of the Calvert Bluff Formation of the Wilcox Group. Minor portions of the southeast corner of the Station are located within the outcrop of the Carrizo Sand and minor portions of the southwest corner of the Station are immediately underlain by alluvium. The Calvert Bluff Formation underlies both the Carrizo Sand and alluvium where present.

The Landfill is located solely within the outcrop of the Calvert Bluff Formation (BEG 1972); however, site investigation data indicate the Landfill may also be located within the outcrop of the Carrizo Sand. The Calvert Bluff Formation consists mostly of mudstone interbedded with fine sandstone, lignite, and ironstone concretions. The mudstone contains silt and very fine sand laminae. The Carrizo Sand consists of very fine sand with partings of silty clay, carbonaceous clay, and ironstone. The Carrizo Sand and the Wilcox Group comprise the Carrizo-Wilcox aquifer, which is recognized by the Texas Water Development Board (TWDB) as a major aquifer system in Texas. The Station is located within the outcrop, or the recharge zone, of the Carrizo-Wilcox aquifer (TWDB 2011).

Site investigations were conducted at the Station by Espey, Huston & Associated in 1986; Radian International in 1996 and 1997; EPRI in 2007, and Environmental Resources Management, Inc. (ERM) in 2016. The results of these investigations were summarized in the October 2017 *Ground Water Monitoring Networks for Coal Combustion Residual (CCR) Rule Compliance* report (ERM 2017b). Surficial material at the Landfill consists of in-situ or reworked clay from the Axtell-Tabor soil association. This clay is the source material for the Landfill liner and cap. Boring logs indicate the surficial material is underlain by interbedded clays, silts, and sands of the Quaternary alluvium, Carrizo Sand, and Calvert Bluff Formation. The boundaries between these units are generally indistinguishable.

## 2.2 Site Specific Information

During the installation of monitor wells for the Limestone monitoring network, soil samples were not collected for Appendix III & IV analysis. Four additional monitor wells (MW-47 through MW-50) were installed in December 2023, and three monitor wells (MW-51 through MW-53) were installed in April 2025. During the installation of these monitor wells, soil samples of native subsurface soils were collected and analyzed for Appendix III & IV constituents. Table 1: Soil Samples – Appendix III and Table 2: Soil Samples

Appendix IV provide a summary of the soil sample results for Appendix III & IV parameters during the December 2023 and April 2025 monitor well installation events.

Based on the results of these sampling events, Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenically in the groundwater beneath the Landfill, impacting the groundwater geochemistry. The groundwater geochemistry involves analyzing both natural and potential anthropogenic impacts on groundwater. Separate from potential source areas of contamination, geochemical processes are critical in controlling the chemical composition of groundwater, including carbonate equilibrium, oxidation-reduction reactions, adsorption-desorption processes, and leaching of constituents from the soil into the groundwater.

In addition to naturally occurring Appendix III & IV constituents in the soils affecting the geochemistry variations, numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill (TRC, Alternative Source Demonstration, August 2025, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas). Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents.

The boring logs for the Landfill CCR groundwater monitoring network (TRC, Alternative Source Demonstration, July 2024, Limestone Electric Generating Station, Landfill (Unit 004), Jewett, Texas) indicate lignite and shale seams are present beneath the Landfill. Lignite and shale naturally contain Appendix III & IV constituents that can impact the geochemistry variations beneath the site.

Natural variations in groundwater geochemistry beneath and at the Limestone CCR Landfill can be related to changes in pH, ion exchanges, EC, and/or salinity along with the naturally occurring Appendix III & IV constituents in soils, oil and gas active at and near the landfill, and lignite and shale present in the subsurface beneath the Landfill.

## 2.3 Surrounding Area

### 2.3.1 Oil and Gas Production Wells

The Station and surrounding vicinity are densely populated with historical and current oil and gas activities consisting primarily of the installation and operation of natural gas production wells. Numerous active natural gas wells and their associated well pads, surface pits, subsurface pipelines, and infrastructure are located immediately surrounding and within the footprint of the Landfill. Figure 3 is a Mid-East Texas Groundwater Conservation District (METGCD) well map showing the locations of wells in the vicinity of the Landfill. The map is limited to Freestone and Leon counties and does not show wells in Limestone County

immediately west of the Landfill. This figure demonstrates the extent to which non-CCR sources of constituents to groundwater pervade the vicinity of the Landfill.

Surface well pits typically contain spent completion fluids or workover fluids. Completion or workover fluids are often brine-containing liquids that are used for well testing and are chemically compatible with the formation fluids; and the spent fluids contained in the pits would have come into contact with formation water. According to the United States Geological Survey (USGS) National Produced Waters Geochemical Database, water co-produced with hydrocarbons (referred to as "produced water" or "formation water") from geologic formations underlying the Site has the following composition (USGS 2018):

- pH ranging from 4.67 standard units (SU) to 5.6 SU;
- Calcium ranging from 12,560 milligrams per liter (mg/L) to 33,520 mg/L;
- Chloride ranging from 56,980 mg/L to 96,200 mg/L;
- Sulfate ranging from 480 mg/L to 1,790 mg/L; and
- Total dissolved solids (TDS) ranging from 98,330 mg/L to 152,970 mg/L.

Considering the composition of the formation water with which the completion or workover fluids came into contact and the typical brine composition of these fluids, potential releases of these fluids would be expected to affect groundwater quality within the immediate vicinity and downgradient of the natural gas well pads and surface pits. Even minor releases of these fluids could increase the concentrations of calcium, chloride, sulfate, and TDS and decrease the pH in the nearby Landfill upgradient and downgradient monitoring wells.

### 2.3.2 Lignite Mine

Approximately 1.5 miles south of the Landfill is the Jewett lignite mine. The Jewett Mine is a 35,000-acre surface-mine complex. The mine, which is one of the largest in Texas, produced about 5.3 million short tons of lignite per year, according to the U.S. Department of Energy (USDOE). The 31-year-old mine provided lignite for combustion at the Station. In 2018, NRG decided to close the mine and is in the process of performing reclamation.

In 2020, the Jewett Mine had four final pits containing water ranging from approximately 340 million to 1.5 billion gallons. The estimated volumes remaining in the pits in 2020 were as follows:

- E-South Final Pit: 342,000,000 gallons;
- RP-D9 Final Pit: 403,000,000 gallons;
- B-North Final Pit: 375,000,000 gallons; and
- BX Final Pit: 1,290,000,000 gallons.

The pits can have depths greater than 100 feet. The groundwater potentiometric surface is generally understood to be above the bottom of the pits. Multiple seams of lignite at varying depths below the ground surface were removed from these pits during mining.

According to the U.S Department of Energy, Office of Scientific and Technical Information*, Trace elements in Texas Lignite*, 1983, during coal mining and utilization, trace elements are released into the environment. Certainness of these elements may have beneficial or neutral effects while other trace elements are potentially harmful. On a national basis, nine of these elements: antimony, arsenic, boron, cadmium, germanium, mercury, molybdenum, selenium, and silver; are commonly found in concentrations greater than the levels present in typical crustal rocks. Because of the conditions under which Gulf Coast lignites were deposited and the nature of lignites in general, the modes of occurrence and concentrations of trace elements in Texas lignites are different from coals found elsewhere in the United States. Based on a limited data set of 38 lignite samples from Arkansas, Mississippi, and Alabama compiled in 1975, Gulf Coast lignites were identified as having higher levels of boron, lanthanum, lead, selenium, uranium, yttrium, and zirconium than other US coal regions.

### 2.3.3 Lignite/Shale Seams in Monitoring Wells

A review of the boring logs for the Landfill monitoring network identified lignite seams and shale starting at around 37 feet below ground surface (bgs) in some of the borings. As noted on the boring logs in Attachment 1, monitor wells were completed across these lignite and shale seams. Although lignite seams and shale are not noted in all borings for the monitoring network, the presences of these minerals in the subsurface would impact groundwater quality for the region.

As noted above, lignite contains trace elements that are released into the environment, which include boron. As presented in the Geological Survey Bulletin 1314-A, *Geochemical Investigations of Some Black Shales and Associated Rocks,* trace elements of boron, barium, gallium, and strontium are found in the upper cretaceous shales of Texas. The following section discusses the geochemistry of the groundwater in the area.

## 2.4 Groundwater Geochemistry

Understanding the geochemistry of groundwater is essential to examining the groundwater monitoring data, explaining the relationships between the characteristics of the groundwater, and analyzing both natural and potential anthropogenic impacts on groundwater. Separate from potential source areas of contamination, geochemical processes are critical in controlling the chemical composition of groundwater, including carbonate equilibrium, oxidation-reduction reactions, and adsorption-desorption processes.

### 2.4.1 Boron in Groundwater

Boron is normally considered to be a minor constituent in groundwater since it is generally present in low concentrations (Palmucci & Rusi, 2014). Apart from a potential boron source area, the primary origin of boron in groundwater is typically associated with the processes of sorption and desorption from mineral surfaces including soil and bedrock (Ravenscroft & McArthur, 2004). Boron is often cited as a contaminant trace chemical and usually occurs as a non-ionized form as $H_3BO_3$ in soils at pH <8.5, but above this pH, it exists as an anion, $B(OH)_4^-$ (Upadhyaya et al., 2014).

The factors that may influence the concentration of boron in groundwater include weathering, human activity, evaporative concentration, ion-exchange, EC, and pH. Ravenscroft & McArthur (2004) investigated the mechanism of regional boron enrichment in groundwater and the results indicated that the main process resulting in boron enrichment in groundwater was flushing by fresh groundwater. The desorption of boron from mineral surfaces could be affected by pH, ionic strength, salinity, and the $HCO_3/CO_3$ ratio. Decreases in pH will increase the dissolution of boron from the mineral surfaces. Boron adsorption favors high pH and boron desorption favors low pH in rocks, soils, and organic matters (Hollis et al., 1988; Keren & Communar, 2009; Tabelin et al., 2014).

Additional investigations confirmed that the presence of boron in groundwater depends on the EC (salinity), such that the concentration of boron increases with increasing EC. Halim et al. (2010) reported that the increae in $Cl^-$ contributes to an increase in EC value since a strong linear correlation ($R^2 = 0.88$) between EC and $Cl^-$ was observed. Palmucci & Rusi (2014) observed a clear correlation between elevated concentrations of boron and the chloride-sodium facies, which are characterized by high saline content, negative redox potential, and low value of the $SO_4^{2-}/Cl^-$ ratio. Rodriguez-Espinosa et al. (2020) determined that the concentration of boron in groundwater was related to $SO_4^{2-}$ and the age affect.

Regarding concentrations of boron in groundwater at the Landfill, the source of boron is more likely natural rather than anthropogenic. Therefore, the increase in concentration of boron at MW-02, MW-21, and MW-50 can be related to natural variations in groundwater geochemistry related to pH, ion exchanges, EC, and salinity.

### 2.4.2 Sulfate in Groundwater

Sulfate is ubiquitous in groundwater, with both natural and anthropogenic sources. Apart from a potential sulfate source area, the primary origin of sulfate includes mineral dissolution, atmospheric deposition, and other anthropogenic sources (Miao et al., 2012). As water moves through soil and rock formations that contain sulfate minerals, some of the sulfate dissolves into the groundwater. Minerals that contain sulfate include magnesium sulfate (Epsom salt), sodium sulfate (Glauber's salt), and calcium sulfate (gypsum). Gypsum is an important contributor to the elevated levels of sulphate in many aquifers of the world. Elevated concentrations of sulfate in groundwater are common in the western part of the United

States (MDH, 2008). Sulfate is mobile in soil and inputs to soil will impact groundwater. Research investigations indicate that atmospheric deposition, dissolution of gypsum, oxidation of sulfide mineral, and anthropogenic inputs will contribute to elevated sulfate concentrations in groundwater. Based on the hydrogeology at the SWDA Landfill, atmospheric deposition and anthropogenic activities could be impacting sulfate concentrations (Einsiedl & Mayer, 2005; Pu et al., 2012).

### 2.4.3 Fluoride in Groundwater

The common natural source of fluoride in groundwater is the dissolution of natural fluoride-bearing minerals, such as fluorspar, fluorapatite, amphiboles, hornblende, tremolite, and biotite (Luo et al., 2018). The natural concentration of fluoride in groundwater depends on the geological, chemical, and physical characteristics of the aquifer, the porosity and acidity of the soils and rock, temperature, interaction with other chemical elements, depth of the aquifer, and intensity of weathering (Brindha & Elango, 2011). Reflecting the range in concentrations of fluoride in groundwater for the Station, it is likely that geochemical processes are the primary variable controlling the concentrations of fluoride in groundwater.

A range of natural and anthropogenic geochemical processes including Ion exchange, evaporation, adsorption-desorption, ion competition, mixing, and salinization can occur resulting in an increase in fluoride concentrations in groundwater (Luo et al., 2018). In particular, alkaline pH, elevated concentrations of sodium and bicarbonate, and decreased concentrations of calcium are geochemical variables.

Alkaline pH can increase the fluoride dissolution from mineral surfaces into groundwater. Saxena & Ahmed (2001) observed that alkaline conditions with pH ranging between 7.6 and 8.6 are favorable for dissolution of fluorite mineral from the host rocks.

Sodium bicarbonate-type waters are typical of high fluoride waters. Multiple investigations have demonstrated positive correlations between fluoride and both bicarbonate and sodium as well as an inverse relation between fluoride and calcium (Mondal et al., 2014; Guo et al., 2012; Chen et al., 2020). The chemical reactions for the dissolution of fluoride in the presence of high bicarbonate and sodium, and low calcium content is described as follows (Kimambo et al., 2019):

$$Na^+ + \ +HCO_3^- - \rightarrow NaHCO_3$$

$$CaF_2 + \ +2NaHCO_3 \ \rightarrow CaCO_3 + 2Na^+ + 2F^- + \ H_2O + CO_2$$

Luo et al. (2018) reported that cation exchange can increase the concentration of fluoride when increasing the Na/Ca molar ratio via ion complexation, and salt affect can further increase the fluoride dissolution from mineral surfaces.

In addition, evaporation is another potential reason that can result in an increased concentration of fluoride in shallow groundwater. Evaporation may directly remove water from shallow aquifers and result in an elevated fluoride concentration. Evaporation can increase ion concentrations, leading to the precipitation of some major minerals, reducing the calcium concentration, and favoring the dissolution of fluoride.

# Section 3
# Alternative Source Demonstration

The 17th semi-annual detection monitoring event was conducted on August 13, 2025, per 30 TAC Chapter 352. Statistical evaluation of the results (comparison of downgradient monitoring results to 95 percent confidence/95 percent coverage upper tolerance limits [UTLs]) was performed within 60 days of sample collection to identify apparent SSIs above background pursuant to 30 TAC 352, Subpart H. Three apparent SSIs were identified: boron, fluoride and sulfate.

Verification sampling was conducted on September 4, 2025, and NRG notified the TCEQ of its intent to prepare an ASD, addressing the apparent SSIs for boron, fluoride, and sulfate.

The UTLs and sampling results for the apparent SSIs are provided in Table 1 below.

**Table 1 SSI – August 2025 Semi-annual Detection Monitoring Event**

| ANALYTE | WELL | LTL | UTL | SAMPLE DATE | VALUE | UNIT |
|---|---|---|---|---|---|---|
| Fluoride | MW-16(UG) | NA | 0.26 | 09/04/2025 | 0.760 | mg/L |
| Boron | MW-21(DG) | NA | 0.44 | 09/04/2025 | 0.596 | mg/L |
| Fluoride | MW-28R(UG) | NA | 0.26 | 09/04/2025 | 0.330 | mg/L |
| Fluoride | MW-47(DG) | NA | 0.26 | 09/04/2025 | 0.390 | mg/L |
| Boron | MW-50(DG) | NA | 0.44 | 09/04/2025 | 0.840 | mg/L |
| Sulfate | MW-50(DG) | NA | 890 | 09/04/2025 | 1,570 | mg/L |
| Boron | MW-53(DG) | NA | 0.44 | 09/04/2025 | 0.665 | mg/L |
| Fluoride | MW-53(DG) | NA | 0.26 | 09/04/2025 | 0.570 | mg/L |

Notes: DG = Downgradient
UG = Upgradient
mg/L = milligrams per Liter

Alternative sources for the apparent SSIs encompass a range of apparent lines of reasoning and include the following non-CCR sources located in the vicinity of the Landfill:

- The Station and surrounding vicinity are densely populated with historical and current oil and gas activities consisting primarily of natural gas production wells;
- Monitor wells were completed into and screened across both lignite and shale seams that are a source of trace elements such as boron;
- A lignite mine is located immediately south of the Landfill and mining operations can impact the groundwater quality and pH of groundwater over an extended period of time; and

- Based on the results of a soil sampling event during monitor well installation during 2023, various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Acidity is transported from a mine in groundwater or by surface water runoff that can then infiltrate into groundwater. Through migration, such groundwater, can impact groundwater quality at and in the vicinity of the Landfill. During historical detection monitoring at the Landfill, the pH of groundwater at MW-21 has remained within the range of 5.0 to 5.6 S.U. As discussed in Section 2.2, low pH (< 6) conditions are favorable for the dissolution of boron from mineral surfaces in the soil and bedrock.

In summary, the apparent SSIs for boron, fluoride, and sulfate for the 17th semi-annual detection monitoring event are most likely related to other non-CCR off-site sources (oil and gas activities or the historic lignite mine), the apparent presence of lignite seams within the screened portion of the monitor wells, or natural variations in groundwater geochemistry (acidic pH conditions) rather than a release to groundwater from the Landfill.

# Section 4
# Conclusions

Based on statistical evaluation of August 13, 2025, semi-annual detection monitoring event and September 4, 2025, verification sampling analytical results, three apparent SSIs: boron, fluoride, and sulfate; were identified for the Landfill. This ASD has identified the following lines of reasoning that support alternative sources for the apparent SSIs:

- Numerous historical and active natural gas wells and their associated well pads and surface pits are located immediately surrounding and within the footprint of the Landfill. Well pits associated with the natural gas wells contribute spent completion or workover fluids to groundwater that contain constituents that are also CCR Rule Appendix III detection monitoring constituents;
- As shown on the boring logs for the Landfill CCR groundwater monitoring network, lignite and shale seams that contain trace amounts of boron are present at the Landfill and several monitor wells were installed into and screened across these seams;
- The Jewett lignite surface mine is located approximately 1.5 south of the Landfill;
- Natural variations in groundwater geochemistry are likely related to changes in pH, ion exchanges, EC, and/or salinity; and
- Various concentrations of Appendix III & IV constituents naturally occur in the native soils. This indicates that Appendix III & IV constituents have occurred naturally rather than anthropogenic in the groundwater beneath the site, impacting the groundwater geochemistry.

Therefore, based on the lines of reasoning presented in this ASD, alternative sources, and/or natural variations in groundwater geochemistry, rather than a release from the Landfill have been demonstrated to be responsible for the apparent SSIs observed. Based on this successful ASD, NRG will continue semi-annual detection monitoring for the Landfill per 30 TAC Chapter 352.

# Section 5
# References


BEG 1972. *Geologic Atlas of Texas, Waco Sheet*. The University of Texas at Austin, Bureau of Economic Geology. Reprinted 1972.

Halim, M. A., Majumder, R. K., Nessa, S. A., Hiroshiro, Y., Sasaki, K., Saha, B. B., Saepuloh, A., & Jinno, K., 2010. Evaluation of processes controlling the geochemical constituents in deep groundwater in Bangladesh: Spatial variability on arsenic and boron enrichment. *Journal of Hazardous Materials*, *180*(1–3), 50–62. https://doi.org/10.1016/J.JHAZMAT.2010.01.008.

Hollis, J. F., Keren, R., & Gal, M., 1988. Boron Release and Sorption by Fly Ash as Affected by pH and Particle Size. *Journal of Environmental Quality*, *17*(2), 181–184. https://doi.org/10.2134/JEQ1988.00472425001700020002X.

Keren, R., & Communar, G., 2009. Boron Sorption on Wastewater Dissolved Organic Matter: pH Effect. *Soil Science Society of America Journal*, *73*(6), 2021–2025. https://doi.org/10.2136/SSSAJ2008.0381.

Mid-East Texas Groundwater Conservation District (METGCD), 2019. GIS Data Portal. Available at: https://metgcd.halff.com/Map/Public. Accessed July 2, 2019.

Palmucci, W., & Rusi, S. (2014). Boron-rich groundwater in Central Eastern Italy: a hydrogeochemical and statistical approach to define origin and distribution. *Environmental Earth Sciences*, *72*(12), 5139–5157. https://doi.org/10.1007/s12665-014-3384-5.

Ravenscroft, P., & McArthur, J. M., 2004. Mechanism of regional enrichment of groundwater by boron: the examples of Bangladesh and Michigan, USA. *Applied Geochemistry*, *19*(9), 1413–1430. https://doi.org/10.1016/J.APGEOCHEM.2003.10.014.

Tabelin, C. B., Hashimoto, A., Igarashi, T., & Yoneda, T., 2014. Leaching of boron, arsenic and selenium from sedimentary rocks: II. pH dependence, speciation and mechanisms of release. *Science of The Total Environment*, *473–474*, 244–253. https://doi.org/10.1016/J.SCITOTENV.2013.12.029.

ERM 2018a. *2017 Annual Groundwater Monitoring Report, Landfill (Unit 004)*. ERM, January 2018

ERM 2017b. *Ground Water Monitoring Networks for Coal Combustion Residual (CCR) Rule Compliance Report*. ERM, October 2017.

TRC 2018b. *Statistical Methods Certification – Limestone Electric Generating Station*. TRC, August 2018.

TRC 2019a. *2018 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2019.

TRC 2019b. Technical Memorandum on Laboratory Quality Issues. TRC, April 24, 2019.

TRC 2019c. Technical Memorandum on Laboratory Change for CCR Sampling Events. TRC, July 19, 2019.

TWDB, 1990. *Aquifers of Texas*. Texas Water Development Board Report 380. Peter George, et al. July 2011.

Upadhyaya, D., Survaiya, M. D., Basha, S., Mandal, S. K., Thorat, R. B., Haldar, S., Goel, S., Dave, H., Baxi, K., Trivedi, R. H., & Mody, K. H., 2014. Occurrence and distribution of selected heavy metals and boron in groundwater of the Gulf of Khambhat region, Gujarat, India. *Environmental Science and Pollution Research*, *21*(5), 3880–3890. https://doi.org/10.1007/s11356-013-2376-4.

United States Department of Energy, Office of Scientific and Technical Information, 1983. Trace elements in Texas Lignite.

United States Environmental Protection Agency, 2008. Drinking Water Health Advisory For Boron. *Office of Water U.S. Environmental Protection Agency Washington, DC*, *822-R-08–0*. https://www.epa.gov/environmental-topics/water-topics.

United States Geological Survey, 2018. National Produced Waters Geochemical Database, USGS IDs 99922 through 99929. United State Geological Survey. Accessed on July 16, 2018.

TRC 2020. *2019 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2020.

TRC 2021. *2020 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2021.

TRC 2022. *2021 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2022.

TRC 2023. *2022 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2023.

TRC 2024. *2023 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2024.

TRC 2025. *2024 Annual Groundwater Monitoring and Corrective Action Report – Limestone Electric Generating Station*. TRC, January 2025.

# Figures




CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Generating Station**
**F.M. 39 Road, Jewett, Texas 75838**

TITLE

## LOCATION OF CCR LANDFILL

| | | |
|---|---|---|
| DRAWN BY: **O. Fonseka** | REQUEST BY: **J. Atwell** | PROJECT NO. **585632** |
| DWG. DATE: **January 2025** | PROJECT-MGR: **T. Dworaczyk** | FIGURE **1** |

TRC
11767 KATY FREEWAY, SUITE 850
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

LAST EDIT: 01/22/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025\ Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg
DRAWING By: **Oskar Fonseka** - FILE NAME: Fig 1-2 - NRG-LimestoneStation - Location of CCR Landfill.dwg




## LEGEND

- Landfill Background CCR Locations
- Landfill CCR Monitor Well
- ***449.06*** Groundwater Elevation (FT MSL)
- Groundwater Flow Direction
- Groundwater Elevation Contour - Dashed where Inferred (FT MSL)
- CCR Landfill Boundary

STATE OF TEXAS
ANTHONY DWORACZYK
GEOLOGY
2658
LICENSED
PROFESSIONAL GEOSCIENTIST
12.17.25

NOTE:
GROUNDWATER ELEVATIONS MEASURED BY HMI ON AUGUST 2025; AND
MW-16 AND MW-27R NOT USED FOR CONTOURS.

0 690 1,380 FT

1 " = 700 '
1:8,400

N

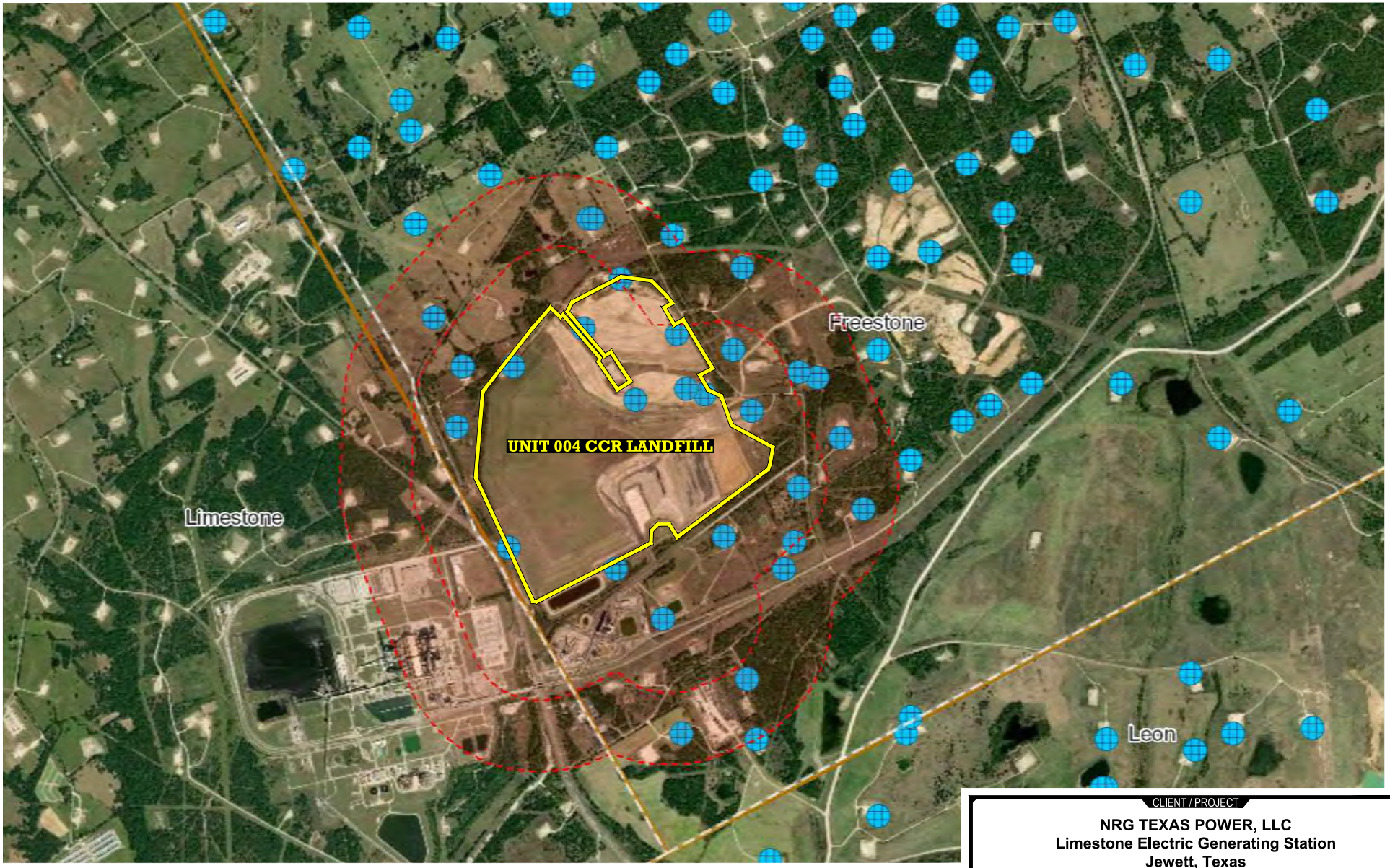
PROJECT:
**NRG TEXAS POWER, LLC**
**LIMESTONE**
**JEWETT, TEXAS**

TITLE:
# GROUNDWATER POTENTIOMETRIC SURFACE - AUGUST 2025

| | | | |
|---|---|---|---|
| DRAWN BY: | F. Yarbrough | PROJ. NO.: | 652117.0000.0000 |
| CHECKED BY: | J. Atwell | | **FIGURE 2** |
| APPROVED BY: | A. Dworaczyk | | |
| DATE: | Decembert 2025 | | |

TRC
11767 Katy Freeway
Suite 850
Houston, TX, 77079
Phone 281.616.0100
www.trccompanies.com

FILE NO.: 652117_2-2.mxd




July 3, 2019

**polygonLayer**

Override 1

METGCD Wells

**METGCD Wells**

Yes

Counties

1:36,112

0 0.3 0.6 1.2 mi

0 0.5 1 2 km

Halff Associates, Inc.

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user

CLIENT / PROJECT

**NRG TEXAS POWER, LLC**
**Limestone Electric Generating Station**
**Jewett, Texas**

TITLE

## OIL AND GAS WELL MAP

| | | |
|---|---|---|
| DRAWN BY: O. Fonseka | REQUEST BY: T. Dworaczyk | PROJECT NO. 528473 |
| DWG. DATE: October 2023 | PROJECT-MGR: T. Dworaczyk | |

TRC
14701 ST. MARY'S LANE, STE. 500
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

FIGURE 3

# Tables

**Soil Samples - Table 1 - Appendix III**
**December 2023 and April 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | | NRG App III | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | | Boron | | Calcium | | Chloride | | Fluoride | | Sulfate | | pH, Field | |
| Unit | | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | su | |
| Well ID | Sample Date | Duplicate | | | | | | | | | | | | |
| Landfill - NRG LIM | | | | | | | | | | | | | | |
| MW-47 (13') | 12/12/2023 | N | 1.14 | J | 1,130 | | 13.0 | | 1.57 | | 15.4 | | 7.79 | |
| MW-47 (17') | 12/12/2023 | N | 1.46 | J | 2,310 | | 7.64 | | 1.39 | | 5.45 | | 8.02 | |
| MW-48 (11') | 12/12/2023 | N | 1.01 | J | 1,010 | | 19.8 | | 1.52 | | 90.5 | | 7.38 | |
| MW-48 (18') | 12/12/2023 | N | 1.14 | J | 1,460 | | 52.2 | | 1.18 | | 27.9 | | 7.89 | |
| MW-49 (7') | 12/12/2023 | N | 10.0 | | 3,940 | | 24.3 | | 1.08 | | 667 | | 7.58 | |
| MW-49 (14') | 12/12/2023 | N | 1.23 | J | 1,180 | | 32.0 | | 1.58 | | 3.62 | J | 7.17 | |
| MW-50 (5') | 12/13/2023 | N | 1.70 | J | 1,360 | | 7.88 | | 0.686 | J | 179 | | 6.04 | |
| MW-50 (10') | 12/13/2023 | N | 1.83 | J | 2,900 | | 4.27 | J | <0.300 | | 83.3 | | 6.03 | |
| MW-51 (2.5'-5') | 4/21/2025 | N | 2.83 | | 1220 | | 44.6 | | 1.21 | | 604 | | 6.03 | |
| MW-51 (37.5'-40') | 4/21/2025 | N | 1.81 | J | 2240 | | 40.8 | | 1.31 | | 29.2 | | 7.73 | |
| MW-52 (2.5'-5') | 4/21/2025 | N | 4.55 | | 3190 | | 5.73 | | 6.51 | | 153 | | 7.76 | |
| MW-52 (30'-32') | 4/21/2025 | N | 3.10 | | 12100 | | 87.1 | | 1.56 | | 39.3 | | 8.47 | |
| MW-53 (2.5'-5') | 4/22/2025 | N | 1.55 | J | 3150 | | 190 | | 9.17 | | 484 | | 8.11 | |
| MW-53 (22'-24.5') | 4/22/2025 | N | 1.03 | J | 2700 | | 13.3 | | 2.11 | | 22.0 | | 7.46 | |

**Notes**

| | |
|---|---|
| N | Normal sample |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but ≥ to the method detection limit. |
| U | Analyte was not detected at or above the method detection limit. |
| MW | Monitor well |
| (13') | Depth in feet of soil sample collection. |
| mg/kg | Miligrams per kilograms |

**Soil Samples - Table 2 - Appendix IV**
**December 2023 and April 2025**
**Limestone Electric Gernerating Station - Jewett, Texas**

| Analyte Group | | NRG App IV | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | Antimony | | Arsenic | | Barium | | Beryllium | | Cadmium | | Chromium | | Cobalt | | Lead | | Lithium | | Molybdenum | | Selenium | | Thallium | | Mercury | |
| Unit | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | | mg/kg | |
| **Well ID** | **Sample Date** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Landfill - NRG LIM** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-47 (13') | 12/12/2023 | <0.0634 | | 1.85 | | 44.4 | | 0.273 | J | 0.0582 | J | 8.36 | | 4.13 | | 2.12 | | 4.09 | | 0.126 | J | 0.957 | | <0.217 | U | 0.00377 | |
| MW-47 (17') | 12/12/2023 | <0.0623 | | 0.724 | | 57.3 | | 0.266 | J | 0.0312 | J | 12.4 | | 3.05 | | 3.00 | | 5.69 | | 0.0277 | J | 0.534 | | <0.214 | U | 0.0116 | |
| MW-48 (11') | 12/12/2023 | <0.0606 | | 1.65 | | 30.5 | | 0.255 | J | <0.0252 | | 8.28 | | 3.33 | | 3.69 | | 4.22 | | 0.128 | J | 0.408 | J | <0.208 | U | 0.00635 | |
| MW-48 (18') | 12/12/2023 | 0.0653 | J | 2.36 | | 266 | | 0.334 | J | 0.0708 | J | 10.1 | | 4.53 | | 5.72 | J | 4.85 | | 0.157 | J | 0.603 | | <0.206 | U | 0.00616 | |
| MW-49 (7') | 12/12/2023 | 0.0669 | J | 4.60 | | 150 | | 0.668 | | 0.0537 | J | 13.3 | | 6.40 | | 6.90 | J | 5.57 | | 0.291 | J | 1.21 | | <0.212 | U | 0.0138 | |
| MW-49 (14') | 12/12/2023 | 0.0862 | J | 1.97 | | 101 | | 0.381 | J | 0.0511 | J | 8.70 | | 6.70 | | 7.28 | | 2.89 | | 0.190 | J | 0.639 | | <0.212 | U | 0.0121 | |
| MW-50 (5') | 12/13/2023 | 0.0781 | J | 2.34 | | 69.8 | | 0.373 | J | <0.0262 | | 9.49 | | 4.03 | | 5.18 | | 2.80 | | 0.191 | J | 0.557 | | <0.217 | U | 0.0111 | |
| MW-50 (10') | 12/13/2023 | <0.0618 | | 2.37 | | 34.5 | | 0.475 | | 0.111 | J | 13.5 | | 4.76 | | 5.76 | | 5.88 | | 0.0948 | J | 0.796 | | <0.212 | U | 0.0411 | |
| MW-51 (2.5'-5') | 4/21/2025 | 0.118 | J | 2.54 | | 93.7 | | 0.310 | J | <0.0261 | U | 8.88 | | 4.25 | | 9.70 | | 2.09 | | 0.245 | J | 0.491 | | <0.216 | U | 0.00924 | |
| MW-51 (37.5'-40') | 4/21/2025 | 0.0623 | J | 2.64 | | 37.2 | | 0.332 | J | 0.158 | J | 8.83 | | 5.18 | | 6.75 | | 6.09 | | 0.170 | J | 0.498 | | <0.203 | U | 0.0104 | |
| MW-52 (2.5'-5') | 4/21/2025 | 0.0694 | J | 2.70 | | 95.3 | | 0.411 | J | 0.0565 | J | 11.7 | | 3.61 | | 3.38 | | 5.85 | | 0.115 | J | 0.816 | | <0.217 | U | 0.0161 | |
| MW-52 (30'-32') | 4/21/2025 | 0.0765 | J | 3.20 | | 107 | | 0.453 | J | 0.195 | J | 13.4 | | 7.21 | | 6.88 | | 7.88 | | 0.342 | J | 0.654 | | <0.220 | U | 0.0258 | |
| MW-53 (2.5'-5') | 4/22/2025 | 0.0921 | J | 4.25 | | 183 | | 0.641 | | 0.0763 | J | 10.2 | | 17.5 | | 9.26 | | 3.73 | | 0.201 | J | 0.522 | | <0.211 | U | 0.0125 | |
| MW-53 (22'-24.5') | 4/22/2025 | 0.0806 | J | 2.02 | | 87.7 | | 0.319 | J | 0.120 | J | 6.53 | | 5.32 | | 6.15 | | 2.85 | | 0.126 | J | 0.384 | J | <0.217 | U | 0.00997 | |

**Notes**

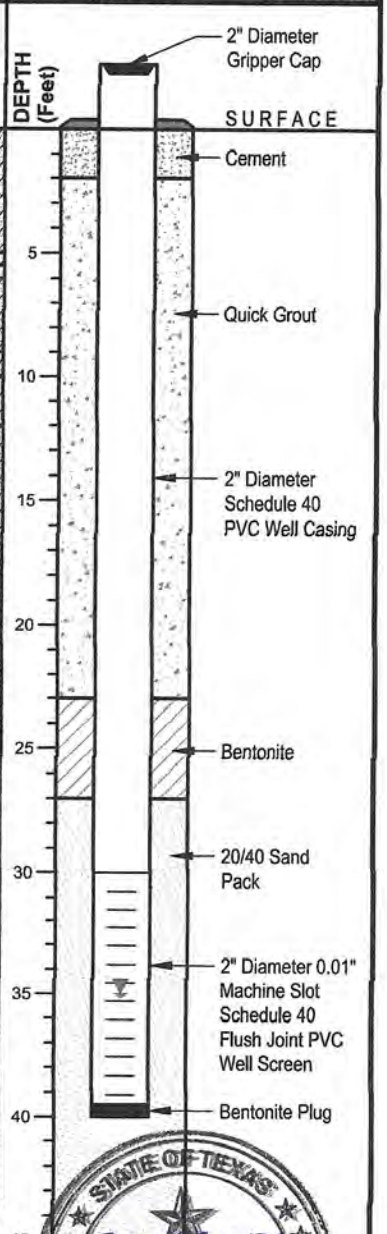
| | |
|---|---|
| N | Normal sample |
| J | Concentration is an estimated value. Result is less than the method quantittion limit but ≥ to the method detection limit. |
| U | Analyte was not detected at or above the method detection limit. |
| MW | Monitor well |
| (13') | Depth in feet of soil sample collection. |
| mg/kg | Miligrams per kilograms |

# Attachment 1

| WELL ID: | MW-51 | LOCATION COORDINATES: |
|---|---|---|
| DATE STARTED: | 04/21/2025 | 31.434980, -96.232531 |
| DATE COMPLETED: | 04/21/2025 | |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 455.31 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 457.84 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 45 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION | GRAPHIC LOG |
|---|---|---|---|---|---|
| 5 | | 75 | | Lean Clay, CL, with sand, brown 2.5 YR 3/3, dark reddish brown, dry to moist soft clay. Semi cohesive, medium, low plasticity (0- 4'). highly cohesive, hard, high plasticity (4'-5') | |
| | | 80 | | Clay, CH, 5 YR 3/3, dark reddish-brown, dry to moist, high plasticity, high cohesive, hard, with small amounts of sand. | |
| | | | | Clay, CH, 5 YR 4/4, reddish brown, moist, hard, high cohesive, high plasticity. | |
| 10 | | | | Sandy Clay, CL, 7.5 YR 3/3, dark brown, dry to moist, semi cohesive, medium plasticity. | |
| | | 80 | | Sandy Clay, CL, 7.5 YR 4/3 brown, moist, semi cohesive, low plasticity | |
| | | | | Clay, brown, CH, 5 YR 4/3 dry to moist, high plasticity, high cohesive | |
| 15 | | | | Sandy Clay, CL, 7.5 YR 4/3, brown, dry to moist, semi cohesive, low plasticity. med plasticity, semi cohesive, medium. | |
| | | 75 | | Clayey Sand, SC, 7.5 YR 4/4, brown, dry to moist, low cohesive, soft. | |
| 20 | | 30 | | | |
| 25 | | 30 | | Clayey Sand, SC, with thin beds of Lignite, 7.5 YR 5/5, brown, dry to moist, hard. | |
| 30 | | | | Clay, CH, 7.5 YR 5/5, reddish brown, moist, high plasticity, high cohesiveness. | |
| | | 70 | | Clay, CL, 2.5 YR, 5/6, red, with sand, very fine, low to medium cohesive, soft. | |
| 35 | | | | Thin layers of lignite rock, with reddish brown sand, medium to hard, low cohesive. | |
| | | 70 | | Silty Sand, SM, 7.5 YR 3/3, dark brown, very moist, very fine, low cohesive, poorly sorted, well graded, very fine. | |
| 40 | | 50 | | Saturated Silty Sand, SM, 7.5 YR 4/4, brown, high cohesive. | |
| 45 | | | | Clay, CH, 5 YR 4/3, dark brown, high plasticity, high cohesive 44.5 – 45. | |




▼ Initial Water Level (35 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

STATE OF TEXAS
5-12-25
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
Exp 4/30/26

| TRC | NRG TEXAS POWER, LLC | Soil Log and Well Construction Details | REVISION DATE 05/05/2025 | PAGE 1 |
|---|---|---|---|---|
| 11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079 | Limestone Generating Station | MW-51 | DRAWING DATE 05/05/2025 | OF 1 |
| PHONE: 281-616-0100 TRCcompanies.com | F.M. 39 Road, Jewett, Texas 75838 | | REQUEST BY J. Atwell | |
| | | | DRAWING BY O. Fonseka | |

LAST EDIT: 05/12/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\ECR-Files\NRG\Limestone Generating Stn - Jewett-TX\2025\ NRG-LimestoneStation - MW Logs.dwg

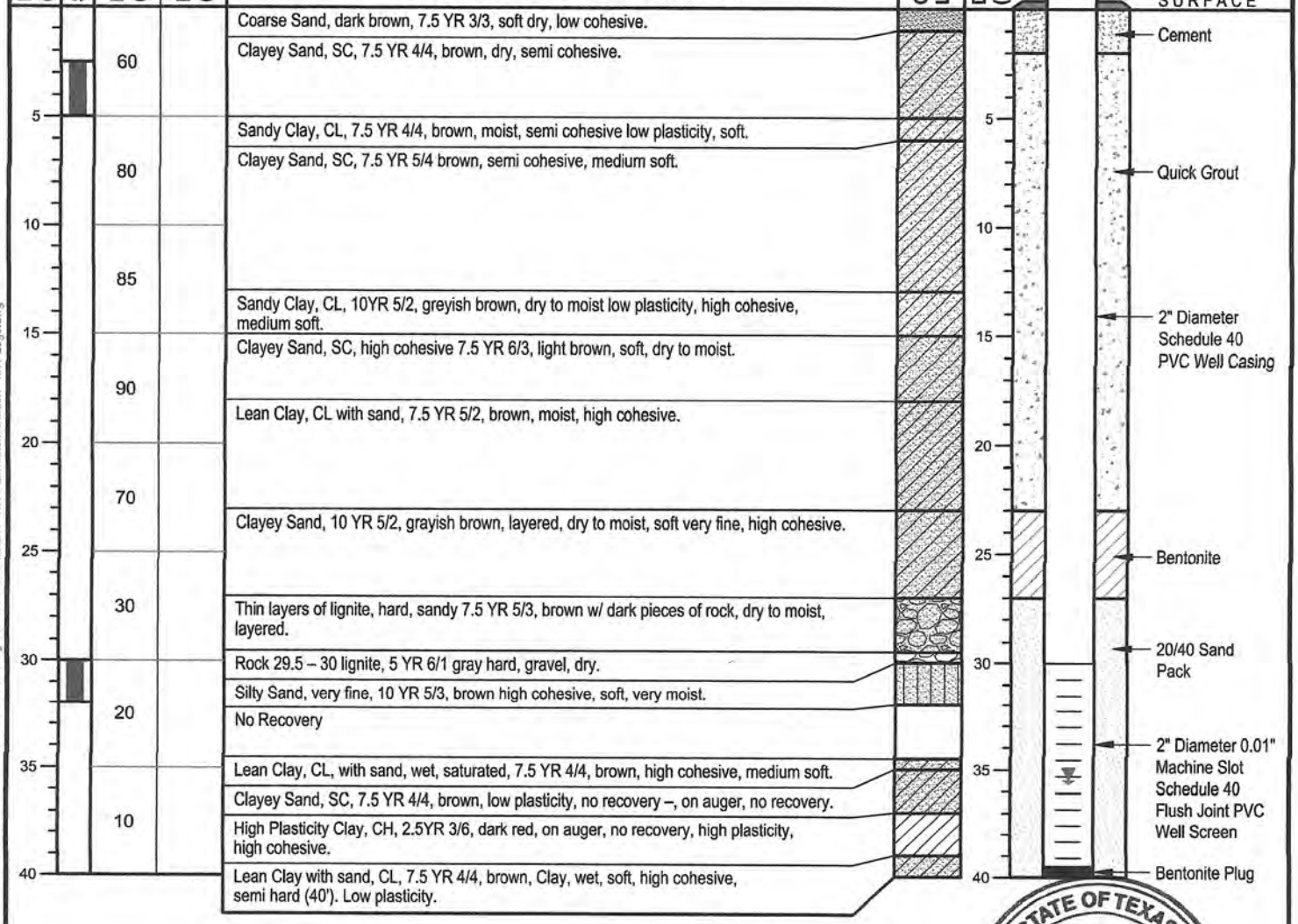
DRAWING By: Oskar Fonseka - FILE NAME: NRG-LimestoneStation - MW Logs.dwg

PROJECT NUMBER: 652117

| WELL ID: | MW-52 | |
|---|---|---|
| DATE STARTED: | 04/21/2025 | LOCATION COORDINATES: |
| DATE COMPLETED: | 04/21/2025 | 31.436578, -96.234201 |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 467.35 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 469.85 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 40 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION |
|---|---|---|---|---|
| 0 | | | | Coarse Sand, dark brown, 7.5 YR 3/3, soft dry, low cohesive. |
| | | 60 | | Clayey Sand, SC, 7.5 YR 4/4, brown, dry, semi cohesive. |
| 5 | | | | Sandy Clay, CL, 7.5 YR 4/4, brown, moist, semi cohesive low plasticity, soft. |
| | | 80 | | Clayey Sand, SC, 7.5 YR 5/4 brown, semi cohesive, medium soft. |
| 10 | | | | |
| | | 85 | | |
| 15 | | | | Sandy Clay, CL, 10YR 5/2, greyish brown, dry to moist low plasticity, high cohesive, medium soft. |
| | | 90 | | Clayey Sand, SC, high cohesive 7.5 YR 6/3, light brown, soft, dry to moist. |
| 20 | | | | Lean Clay, CL with sand, 7.5 YR 5/2, brown, moist, high cohesive. |
| | | 70 | | |
| 25 | | | | Clayey Sand, 10 YR 5/2, grayish brown, layered, dry to moist, soft very fine, high cohesive. |
| | | 30 | | Thin layers of lignite, hard, sandy 7.5 YR 5/3, brown w/ dark pieces of rock, dry to moist, layered. |
| 30 | | | | Rock 29.5 – 30 lignite, 5 YR 6/1 gray hard, gravel, dry. |
| | | 20 | | Silty Sand, very fine, 10 YR 5/3, brown high cohesive, soft, very moist. |
| | | | | No Recovery |
| 35 | | | | Lean Clay, CL, with sand, wet, saturated, 7.5 YR 4/4, brown, high cohesive, medium soft. |
| | | 10 | | Clayey Sand, SC, 7.5 YR 4/4, brown, low plasticity, no recovery –, on auger, no recovery. |
| | | | | High Plasticity Clay, CH, 2.5YR 3/6, dark red, on auger, no recovery, high plasticity, high cohesive. |
| 40 | | | | Lean Clay with sand, CL, 7.5 YR 4/4, brown, Clay, wet, soft, high cohesive, semi hard (40'). Low plasticity. |




STATE OF TEXAS
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
5-12-25
Exp. 4/30/26

▼ Initial Water Level (34.55 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.


TRC
11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079
PHONE: 281-616-0100 TRCcompanies.com


**NRG TEXAS POWER, LLC**
Limestone Generating Station
F.M. 39 Road, Jewett, Texas 75838

Soil Log and Well Construction Details
MW-52

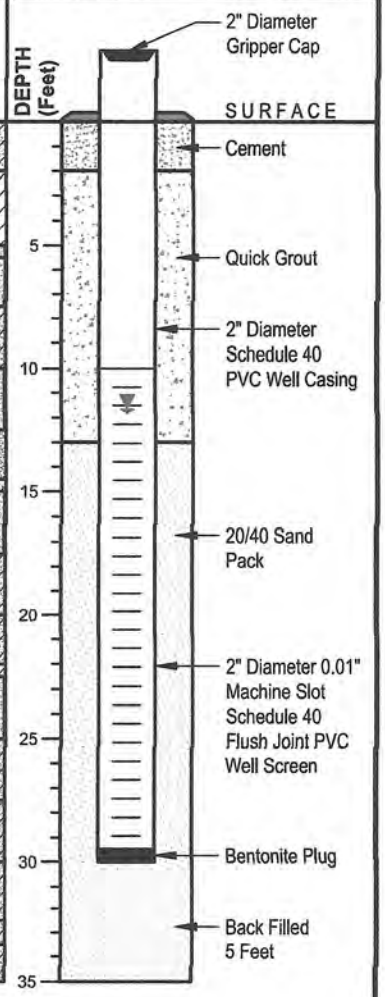
| REVISION DATE | 05/06/2025 |
|---|---|
| DRAWING DATE | 05/06/2025 |
| REQUESTED BY | J. Atwell |
| DRAWING BY | O. Fonseka |

PAGE 1 OF 1

| WELL ID: | MW-53 | |
|---|---|---|
| DATE STARTED: | 04/22/2025 | LOCATION COORDINATES: |
| DATE COMPLETED: | 04/22/2025 | 31.436640, -96.246780 |
| DRILLING CONTRACTOR: | Best Drilling | SURFACE ELEVATION |
| DRILLER NAME: | Bruce Milton | 453.55 FT-AMSL |
| DRILLING METHOD: | Hollow Stem | T.O.C. ELEVATION |
| SAMPLE METHOD: | Split Spoon | 456.50 FT-AMSL |
| LOGGED BY: | Dan Tibbals | TOTAL DEPTH: 35 FT. |




| DEPTH (Feet) | SAMPLE | RECOVERY (%) | PID* (ppm) | LITHOLOGIC DESCRIPTION | GRAPHIC LOG |
|---|---|---|---|---|---|
| 0 | | 95 | | Sandy Clay, CL, brown 7.5 YR 4/4, dry to moist, high cohesive, low to med plasticity. | |
| | | | | Clay, CH, 10 YR 5/2, grayish brown, high cohesive, moist, high plasticity. | |
| 5 | | 75 | | Silty Sand, SM, very fine dry to moist, 10 YR 5/1, gray, low cohesive, portly sorted, well graded. | |
| | | | | weathering, 5 YR 5/3, reddish brown. | |
| | | | | High Plasticity, Clay, CH, with sand, 7.5 YR 4/4, brown, moist, high cohesive | |
| 10 | | 50 | | Silty Sand, SM, YR 5/3, reddish brown, very moist, soft, poorly sorted, well graded, very fine. | |
| | | | | Sand, grayish, brown, very fine, very moist, low cohesive, 10 YR 5/2. | |
| 15 | | 80 | | Low plasticity Clay with sand, 7.5 YR 4/4, brown, moist, high cohesive, , soft. | |
| | | | | Silty Sand, SM, 10 YR 5/2, brownish gray, moist, very fine. | |
| | | | | Lean Clay CL, with sand, reddish brown, high cohesive, moist . Low plasticity. | |
| 20 | | 80 | | Clayey Sand, SC, 5 YR 5/3, reddish brown, soft, wet, high cohesive. | |
| | | | | Clay, CH, brown, 7.5 YR 4/4, high plasticity. | |
| 25 | | | | Silty Sand, SM, brown weathered red, very fine, high cohesive, wet. | |
| | | 90 | | High Plasticity Clay, CH, with sand, 7.5 Yr 4/4, reddish brown, moist, weathered brown. | |
| | | | | very moist | |
| 30 | | 70 | | Low Plasticity Clay, CL with sand, 7.5 Yr 4/4, reddish brown, weathered, moist. | |
| | | | | Clayey Sand, SC, 7.5 4/4, brown, weathered reddish brown, wet, brown. | |
| 35 | | | | Sandy Clay, CL, brown 7.5Yr4/4. | |




STATE OF TEXAS
DANIEL TIBBALS
GEOLOGY
11193
LICENSED
PROFESSIONAL GEOSCIENTIST
5-12-25
Exp 4/30/26

▼ Initial Water Level (11.80 ft)

Sample Collected for Laboratory Analysis

*PID readings were not conducted as part of the installation of the CCR monitor wells.

Note: THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.


TRC
11767 KATY FRWY, STE 850, HOUSTON, TEXAS 77079
PHONE: 281-616-0100 TRCcompanies.com


**NRG TEXAS POWER, LLC**
Limestone Generating Station
F.M. 39 Road, Jewett, Texas 75838

Soil Log and Well Construction Details
MW-53

REVISION DATE: 05/06/2025
DRAWING DATE: 05/06/2025
REQUEST BY: J. Atwell
DRAWING BY: O. Fonseka

PAGE 1 OF 1