

|                |               |
|----------------|---------------|
| Incident ID    | nAPP212639500 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Site Assessment/Characterization

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

|                                                                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | <u>324.95</u> (ft bgs)                                              |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

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

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

State of New Mexico  
Oil Conservation Division

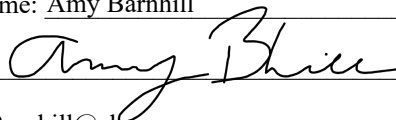
|                |               |
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain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

Printed Name: Amy Barnhill

Title: Waste and Water Specialist

Signature:



Date: 5-5-22

email: ABarnhill@chevron.com

Telephone: 432-687-7108

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

|                |               |
|----------------|---------------|
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## Remediation Plan

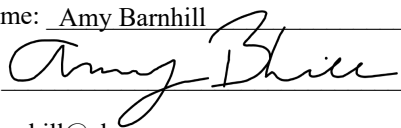
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist  
Signature:  Date: 5-5-22  
email: ABarnhill@chevron.com Telephone: 432-687-7108

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Tracking Number: nAPP212639500**  
**Delineation Report and Remediation Plan**  
**Limestone 1H**  
**Produced Water Release**  
**Lea County, New Mexico**

Latitude: N 32.326083°  
Longitude: W -103.549906°

LAI Project No. 21-0100-24

May 3, 2022

Prepared for:  
Chevron USA Inc.  
6301 Deauville Blvd.  
Midland, Texas 79706

Prepared by:  
Larson & Associates, Inc.  
507 North Marienfeld Street, Suite 202  
Midland, Texas 79701



Mark J. Larson, P.G.  
Certified Professional Geologist #10490



Robert Nelson  
Sr. Geoscientist

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| Appendix B | Karst Risk Potential                    |
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Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022

## 1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (OCD) District 1 for a produced water release at the Limestone 1H (Site) located in Unit D (NW/4, NW/4), Section 11, Township 23 South, Range 33 East, in Lea County, New Mexico. The geodetic position is North 32.326083° and West -103.549906°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

### 1.1 Background

The release was discovered on July 24, 2021, due to a frac hit resulting in the stuffing box blowing out. Chevron reported that 219 barrels (bbls) of produced water were released, with 40 bbls recovered. On July 27, 2021, the well was frac hit again resulting in the release of 5,400 bbls of produced water. An emergency berm was constructed to contain water to the location. Chevron reported that all standing water from the second release was recovered via vacuum trucks. The affected area measures approximately 60,208 square feet or about 1.4 acres. The initial C-141 was submitted to OCD District 1 on August 4, 2021, and updated on August 9, 2021, to account for the second release. The releases were assigned incident number nAPP2106659781. Appendix A presents the Chevron spill calculation and spill map.

### 1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,564 feet above mean sea level (msl).
- The surface elevation gradually decreases to the northeast.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as "Low Risk" potential.
- The soils are designated as Pyote and Maljamar fine sands, consisting of 0 to 30 inches fine sand, underlain by 30 to 60 inches of fine sandy loam.
- Surface geology is Quaternary deposits (Holocene) and consists of windblown sand.
- Groundwater occurs in "Other aquifers (N9999OTHER) nation aquifer" and the Santa Rosa Sandstone (231SNRS) local aquifer.
- According to the USGS the nearest freshwater well is in Section 12, Township 23 South, Range 33 East 6,303 feet or approximately 1.19 miles southeast of the Site (North 32.3178030° and West -103.5302438°) with depth to groundwater reported at 324.95 feet bgs (1996).

Appendix B presents USGS data depicting karst risk potential.

### 1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 20,000 mg/Kg

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Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

## 2.0 DELINEATION

On September 27, 28, 29 and October 7 and 14, 2021, LAI personnel used the Geoprobe 7822DT direct push rig to collect soil samples from thirty-eight (38) locations inside and outside the spill area (S-1 through S-38). The samples were collected at approximately one (1), three, five (5), and ten (10) feet bgs, depending on subsurface conditions. The soil samples were delivered under chain of custody and preservation to Eurofins-Xenco Laboratories (Xenco) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively.

Benzene, and BTEX were below the NMOCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively. Chloride exceeded the NMOCD delineation limit of 600 mg/Kg in sample S-1 at 0.5 feet bgs (875 mg/Kg). TPH was above the NMOCD remediation standard of 100 mg/Kg in the following samples:

| Sample ID | Depth<br>(Feet) | TPH Concentration<br>(mg/Kg) | Chloride Concentration<br>(mg/Kg) |
|-----------|-----------------|------------------------------|-----------------------------------|
| S-9       | 10              | 1,010                        | 966                               |
| S-23      | 10              | --                           | 657                               |
| S-28      | 8               | --                           | 609                               |

On March 14, 2021, Scarborough Drilling, Inc. (SDI) under supervision from LAI personnel used an air rotary rig to further delineate sample locations S-9, S-23, and S-28. Soil samples were collected at approximately ten (10), fifteen (15), and twenty (20) feet bgs, depending on previous sampling depths. The laboratory results demonstrate the release was delineated according to the NMOCD remediation and closure requirements in Table 1 of 19.15.29.12 NMAC. An additional horizontal delineation soil sample was collected approximately ten (10) feet east of S-28. Figure 2 presents an aerial map showing the sample locations and soil borings. Appendix D presents the laboratory reports.

## 3.0 REMEDIATION PLAN

Chevron proposes the following remedial actions:

- Composite samples for about every 200 cubic yards of soil that was pushed up into two (2) soil piles for emergency spill control, analyzed for BTEX, TPH and chloride and hauled to disposal if concentrations exceed the most stringent concentrations in Table 1 of 19.15.29.12 NMAC (Note that aerial imagery from 2017 indicates the soil piles originated prior to the release).
- Excavate soil from an area measuring approximately 5,943 square feet encompassing S-6, S-8, and S-38 to a depth of 1.5 feet bgs.
- Excavate soil from an area measuring approximately 4,286 square feet encompassing S-17 and S-22 to a depth of 2 feet bgs.

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- Excavate soil from an area measuring approximately 1,648 square feet encompassing S-4 to a depth of 3.5 feet bgs.
- Excavate soil from an area measuring approximately 32,429 square feet encompassing S-9 through S-14, S-19, S-20, S-23, S-24, S-28, S-29, S-30, and S-31 to a depth of 4.1 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean caliche on the pad and topsoil in the pasture assuming achievement of OCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District I.

Figure 3 presents a proposed excavation map.

## **Tables**

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   |             | <b>600</b>       |
| <b>S-1</b>                | 1            | 9/27/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | 65.3              | 65.3        | <4.96            |
|                           | 3            | 9/27/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 54.2             |
|                           | 5            | 9/27/2021       | In-Situ | <0.00198        | <0.00396     | <50.0            | <50.0             | <50.0             | <50.0       | 19.8             |
|                           | 10           | 9/27/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | <49.9             | <49.9             | <49.9       | 50.0             |
| <b>S-2</b>                | 1            | 9/27/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | 183              |
|                           | 3            | 9/27/2021       | In-Situ | <0.00202        | <0.00403     | <50.0            | <50.0             | <50.0             | <50.0       | 172              |
|                           | 5            | 9/27/2021       | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | 31.0             |
|                           | 10           | 9/27/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8       | 36.8             |
| <b>S-3</b>                | 1            | 9/27/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9       | 29.9             |
|                           | 3            | 9/27/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8       | 59.5             |
|                           | 5            | 9/27/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 24.4             |
|                           | 10           | 9/27/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 32.8             |
| <b>S-4</b>                | 1            | 9/27/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | <49.9             | <49.9             | <49.9       | 328              |
|                           | 3            | 9/27/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | 1,280            |
|                           | 5            | 9/27/2021       | In-Situ | <0.00200        | <0.00401     | <50.0            | <50.0             | <50.0             | <50.0       | 100              |
|                           | 10           | 9/27/2021       | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | 14.8             |
| <b>S-5</b>                | 1            | 9/27/2021       | In-Situ | <0.00200        | <0.00401     | <49.9            | <49.9             | <49.9             | <49.9       | 14.7             |
|                           | 3            | 9/27/2021       | In-Situ | <0.00198        | <0.00396     | <49.8            | <49.8             | <49.8             | <49.8       | 36.3             |
|                           | 5            | 9/27/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 12.8             |
|                           | 10           | 9/27/2021       | In-Situ | <0.00202        | <0.00404     | <50.0            | <50.0             | <50.0             | <50.0       | 13.4             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg)  | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|--------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   | <b>600</b>   |                  |
| <b>S-6</b>                | 1            | 9/28/2021       | In-Situ | <0.00200        | <0.00401     | <49.8            | 1,150             | <49.8             | <b>1,150</b> | 21.7             |
|                           | 3            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9        | 11.6             |
|                           | 5            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9        | 171              |
|                           | 10           | 9/28/2021       | In-Situ | <0.00202        | <0.00404     | <49.8            | <49.8             | <49.8             | <49.8        | 191              |
| <b>S-7</b>                | 1            | 9/28/2021       | In-Situ | <0.00202        | <0.00404     | <49.9            | <49.9             | <49.9             | <49.9        | 107              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0        | 102              |
|                           | 5            | 9/28/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0        | 255              |
|                           | 10           | 9/28/2021       | In-Situ | <0.00202        | <0.00403     | <49.8            | <49.8             | <49.8             | <49.8        | 110              |
| <b>S-8</b>                | 1            | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9        | <b>755</b>       |
|                           | 3            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8        | 135              |
|                           | 5            | 9/28/2021       | In-Situ | <0.00200        | <0.00401     | <49.9            | <49.9             | <49.9             | <49.9        | 87.7             |
|                           | 10           | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <50.0            | <50.0             | <50.0             | <50.0        | 121              |
| <b>S-9</b>                | 1            | 9/28/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9        | 144              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00202        | <0.00403     | <49.8            | <49.8             | <49.8             | <49.8        | 235              |
|                           | 5            | 9/28/2021       | In-Situ | <0.00198        | <0.00397     | <50.0            | <50.0             | <50.0             | <50.0        | 144              |
|                           | 10           | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | 1,010             | <49.9             | <b>1,010</b> | <b>966</b>       |
|                           | 15           | 3/14/2022       | In-Situ | --              | --           | <50.0            | <50.0             | <50.0             | <50.0        | 168              |
|                           | 20           | 3/14/2022       | In-Situ |                 |              | <49.8            | <49.8             | <49.8             | <49.8        | 94.6             |
| <b>S-10</b>               | 1            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | 644               | <49.8             | <b>644</b>   | 458              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | 273               | <49.8             | <b>273</b>   | <b>698</b>       |
|                           | 5            | 9/28/2021       | In-Situ | <0.00198        | <0.00397     | <50.0            | <50.0             | <50.0             | <50.0        | <b>3,270</b>     |

**Table 1**  
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**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   | <b>600</b>  |                  |
|                           | 10           | 9/28/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | <49.9             | <49.9             | <49.9       | 143              |
| <b>S-11</b>               | 1            | 9/28/2021       | In-Situ | <0.00198        | <0.00398     | <49.9            | 196               | <49.9             | <b>196</b>  | 138              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00198        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | <b>1,130</b>     |
|                           | 5            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 333              |
|                           | 10           | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 85.5             |
| <b>S-12</b>               | 1            | 9/28/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | <49.9             | <49.9             | <49.9       | <b>3,100</b>     |
|                           | 3            | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <50.0            | <50.0             | <50.0             | <50.0       | <b>1,890</b>     |
|                           | 5            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | <b>892</b>       |
|                           | 10           | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 120              |
| <b>S-13</b>               | 1            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | <b>5,580</b>     |
|                           | 3            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8       | <b>1,930</b>     |
|                           | 5            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | <b>1,300</b>     |
|                           | 10           | 9/28/2021       | In-Situ | <0.00198        | <0.00396     | <50.0            | <50.0             | <50.0             | <50.0       | 244              |
| <b>S-14</b>               | 1            | 9/28/2021       | In-Situ | <0.00202        | <0.00404     | <49.9            | <49.9             | <49.9             | <49.9       | <b>6,520</b>     |
|                           | 3            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | <b>1,670</b>     |
|                           | 5            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | <b>833</b>       |
|                           | 10           | 9/28/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9       | 37.2             |
| <b>S-15</b>               | 1            | 9/28/2021       | In-Situ | <0.00202        | <0.00403     | <49.8            | <49.8             | <49.8             | <49.8       | 558              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 29.4             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   | <b>600</b>  |                  |
|                           | 5            | 9/28/2021       | In-Situ | <0.00200        | <0.00401     | <50.0            | <50.0             | <50.0             | <50.0       | 12.2             |
|                           | 10           | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9       | 8.86             |
| <b>S-16</b>               | 1            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 307              |
|                           | 3            | 9/28/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | 42.6             |
|                           | 5            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 19.3             |
|                           | 10           | 9/28/2021       | In-Situ | <0.00198        | <0.00396     | <49.8            | <49.8             | <49.8             | <49.8       | 21.4             |
| <b>S-17</b>               | 1            | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9       | <b>1,360</b>     |
|                           | 3            | 9/28/2021       | In-Situ | <0.00200        | <0.00399     | <50.0            | <50.0             | <50.0             | <50.0       | 51.7             |
|                           | 5            | 9/28/2021       | In-Situ | <0.00202        | <0.00403     | <50.0            | <50.0             | <50.0             | <50.0       | 35.8             |
|                           | 10           | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 19.2             |
| <b>S-18</b>               | 1            | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 59.0             |
|                           | 3            | 9/28/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 513              |
|                           | 5            | 9/28/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9       | 35.5             |
|                           | 10           | 9/28/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 32.9             |
| <b>S-19</b>               | 1            | 9/29/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | 109               | <49.9             | <b>109</b>  | <b>672</b>       |
|                           | 3            | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.8            | <49.8             | <49.8             | <49.8       | <b>676</b>       |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | 113              |
|                           | 10           | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9       | 45.4             |
| <b>S-20</b>               | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | <b>1,930</b>     |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg)  | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|--------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   |              | <b>600</b>       |
|                           | 3            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8        | <b>644</b>       |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0        | 578              |
|                           | 10           | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9        | 117              |
| <b>S-21</b>               | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9        | 219              |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8        | 249              |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9        | 23.8             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8        | 63.2             |
| <b>S-22</b>               | 1            | 9/29/2021       | In-Situ | <0.00198        | <0.00396     | <49.9            | <49.9             | <49.9             | <49.9        | <b>1,740</b>     |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0        | 22.7             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0        | 14.1             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00202        | <0.00404     | <49.8            | <49.8             | <49.8             | <49.8        | 19.0             |
| <b>S-23</b>               | 1            | 10/7/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8        | 317              |
|                           | 3            | 10/7/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0        | <b>2,890</b>     |
|                           | 5            | 10/14/2021      | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9        | <b>1,810</b>     |
|                           | 10           | 10/14/2021      | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9        | <b>657</b>       |
|                           | 15           | 3/14/2022       | In-Situ | --              | --           | --               | --                | --                | --           | 33.1             |
|                           | 20           | 3/14/2022       | In-Situ | --              | --           | --               | --                | --                | --           | 23               |
| <b>S-24</b>               | 1            | 10/14/2021      | In-Situ | <0.00200        | <0.00399     | 1,300            | <49.9             | <49.9             | <b>1,300</b> | <b>634</b>       |
|                           | 3            | 10/14/2021      | In-Situ | <0.00200        | <0.00400     | 803              | <49.8             | <49.8             | <b>803</b>   | 26.1             |
|                           | 5            | 10/14/2021      | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9        | 32.4             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   | <b>600</b>  |                  |
|                           | 8            | 10/14/2021      | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 89.4             |
| <b>S-25</b>               | 1            | 10/7/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | 59.8             |
|                           | 3            | 10/7/2021       | In-Situ | <0.00198        | <0.00397     | <49.9            | <49.9             | <49.9             | <49.9       | 18.5             |
|                           | 5            | 10/7/2021       | In-Situ | <0.00200        | <0.00399     | <50.0            | <50.0             | <50.0             | <50.0       | 28.3             |
|                           | 10           | 10/7/2021       | In-Situ | <0.00202        | <0.00404     | <49.8            | <49.8             | <49.8             | <49.8       | 33.5             |
| <b>S-26</b>               | 1            | 9/29/2012       | In-Situ | <0.00199        | <0.00398     | 60.9             | <49.8             | <49.8             | 60.9        | 22.8             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00401     | <49.9            | <49.9             | <49.9             | <49.9       | 31.5             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 25.8             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 78.2             |
| <b>S-27</b>               | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00401     | <49.9            | <49.9             | <49.9             | <49.9       | 73.4             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | 63.0             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00198        | <0.00396     | <50.0            | <50.0             | <50.0             | <50.0       | 50.8             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 26.6             |
| <b>S-28</b>               | 1            | 10/14/2021      | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9       | 15.3             |
|                           | 3            | 10/14/2021      | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 20.0             |
|                           | 5            | 10/14/2021      | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | 18.6             |
|                           | 8            | 10/14/2021      | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | <b>609</b>       |
|                           | 10           | 3/14/2022       | In-Situ | --              | --           | --               | --                | --                | --          | 20.3             |
|                           | 15           | 3/14/2022       | In-Situ | --              | --           | --               | --                | --                | --          | 17.7             |
|                           | 20           | 3/14/2022       | In-Situ | --              | --           | --               | --                | --                | --          | 49.2             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   |             | <b>600</b>       |
|                           |              |                 |         |                 |              |                  |                   |                   |             |                  |
| S-29                      | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | 196              |
|                           | 3            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 103              |
|                           | 5            | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <50.0            | <50.0             | <50.0             | <50.0       | 21.2             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 8.79             |
| S-30                      | 1            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | 587              |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0       | 1,490            |
|                           | 5            | 9/29/2021       | In-Situ | <0.00198        | <0.00396     | <49.8            | <49.8             | <49.8             | <49.8       | 456              |
|                           | 10           | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 231              |
| S-31                      | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9       | 823              |
|                           | 3            | 9/29/2021       | In-Situ | <0.00202        | <0.00404     | <49.8            | <49.8             | <49.8             | <49.8       | 2,320            |
|                           | 5            | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 253              |
|                           | 10           | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 34.7             |
| S-32                      | 1            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 547              |
|                           | 3            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8       | 206              |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | 116              |
|                           | 10           | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 24.2             |
| S-33                      | 1            | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | 12.7             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <49.9            | <49.9             | <49.9             | <49.9       | 53.8             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 63.7             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

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| Sample                    | Depth (Feet) | Collection Date | Status  | Benzene (mg/Kg) | BTEX (mg/Kg) | C6 - C10 (mg/Kg) | C10 - C28 (mg/Kg) | C28 - C36 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   |             | <b>600</b>       |
|                           | 10           | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 26.3             |
| S-34                      | 1            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 11.8             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00399     | <49.8            | <49.8             | <49.8             | <49.8       | 8.39             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 12.5             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 17.7             |
| S-35                      | 1            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 12.4             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 127              |
|                           | 5            | 9/29/2021       | In-Situ | <0.00202        | <0.00404     | <50.0            | <50.0             | <50.0             | <50.0       | 85.8             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 35.1             |
| S-36                      | 1            | 9/29/2021       | In-Situ | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 16.8             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0       | 65.3             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 31.5             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00200        | <0.00401     | <49.8            | <49.8             | <49.8             | <49.8       | 18.7             |
| S-37                      | 1            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 42.3             |
|                           | 3            | 9/29/2021       | In-Situ | <0.00201        | <0.00402     | <49.8            | <49.8             | <49.8             | <49.8       | 69.5             |
|                           | 5            | 9/29/2021       | In-Situ | <0.00199        | <0.00398     | <49.9            | <49.9             | <49.9             | <49.9       | 38.4             |
|                           | 10           | 9/29/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0       | 41.2             |
| S-38                      | 1            | 10/14/2021      | In-Situ | <0.00202        | <0.00403     | <49.8            | <49.8             | <49.8             | <49.8       | <b>695</b>       |
|                           | 3            | 10/14/2021      | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | 72.0             |

**Table 1**  
**Soil Sample Analytical Data Summary**  
**Limestone 1H**  
**Lea County, New Mexico**  
**North 32° 19' 33.90", West 103° 32' 59.66"**

Page 9 of 9

| Sample                    | Depth<br>(Feet) | Collection<br>Date | Status  | Benzene<br>(mg/Kg) | BTEX<br>(mg/Kg) | C6 - C10<br>(mg/Kg) | C10 - C28<br>(mg/Kg) | C28 - C36<br>(mg/Kg) | TPH<br>(mg/Kg) | Chloride<br>(mg/Kg) |
|---------------------------|-----------------|--------------------|---------|--------------------|-----------------|---------------------|----------------------|----------------------|----------------|---------------------|
| <b>Remediation Level:</b> |                 |                    |         | <b>10</b>          | <b>50</b>       | <b>100</b>          |                      |                      |                | <b>600</b>          |
|                           | 5               | 10/14/2021         | In-Situ | <0.00200           | <0.00401        | <50.0               | <50.0                | <50.0                | <50.0          | 38.0                |
|                           | 8               | 10/14/2021         | In-Situ | <0.00201           | <0.00402        | <49.9               | <49.9                | <49.9                | <49.9          | 61.7                |
| S-39                      | 0.5             | 3/14/2022          | In-Situ | <0.00199           | <0.00398        | <50.0               | <50.0                | <50.0                | <50.0          | 26.5                |
|                           | 1               | 3/14/2022          | In-Situ | <0.00198           | <0.00396        | <50.0               | <50.0                | <50.0                | <50.0          | 26.7                |

Notes: Analysis performed by Xenco Laboratories (Xenco) in Midland, Texas for BTEX, TPH, and chloride by EPA SW-846 Method 8021B, 8015M and 300, respectively.

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: denotes concentration less than analytical method reporting limit

**Bold and Highlighted exceeds OCD remediation action limits**

## **Figures**

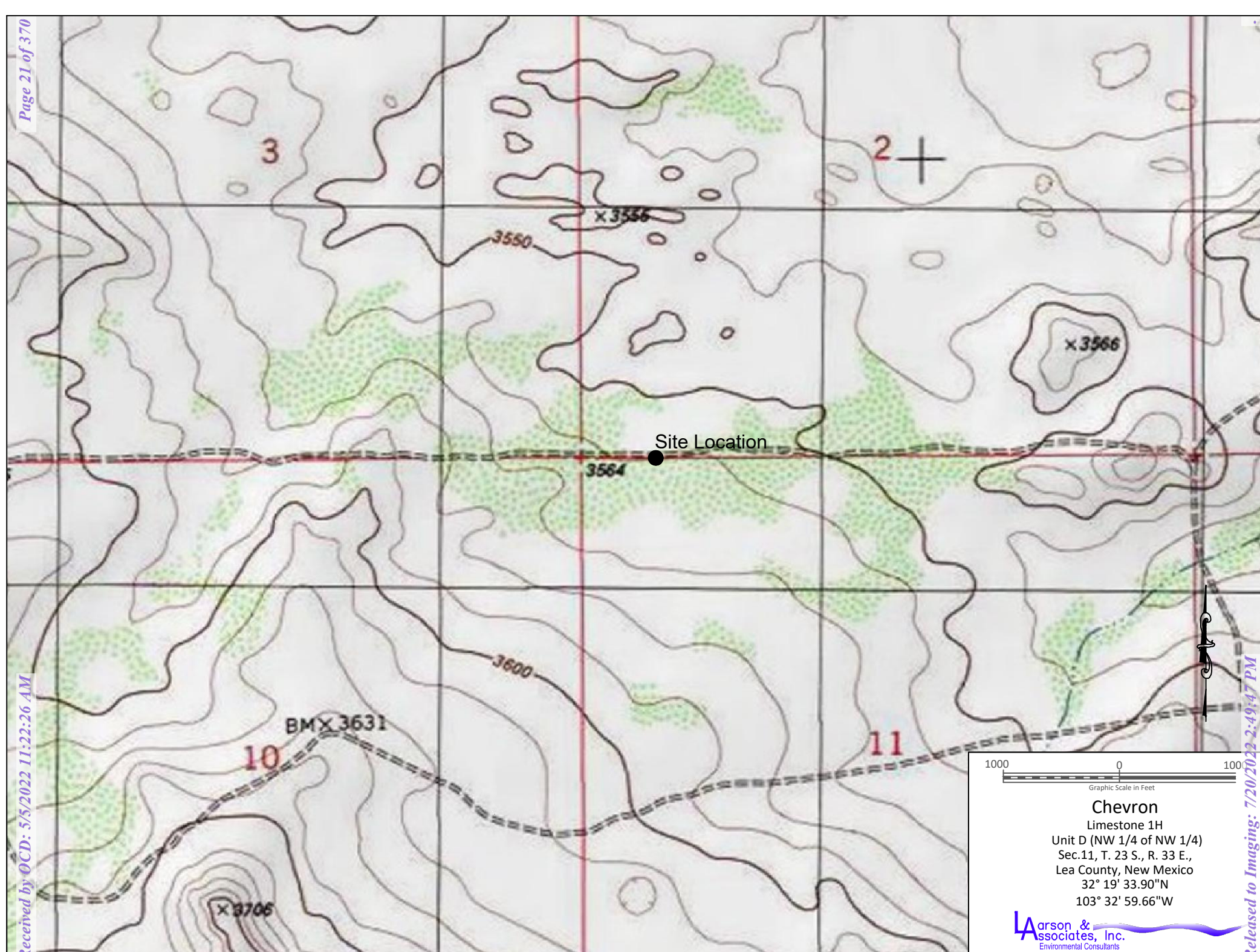
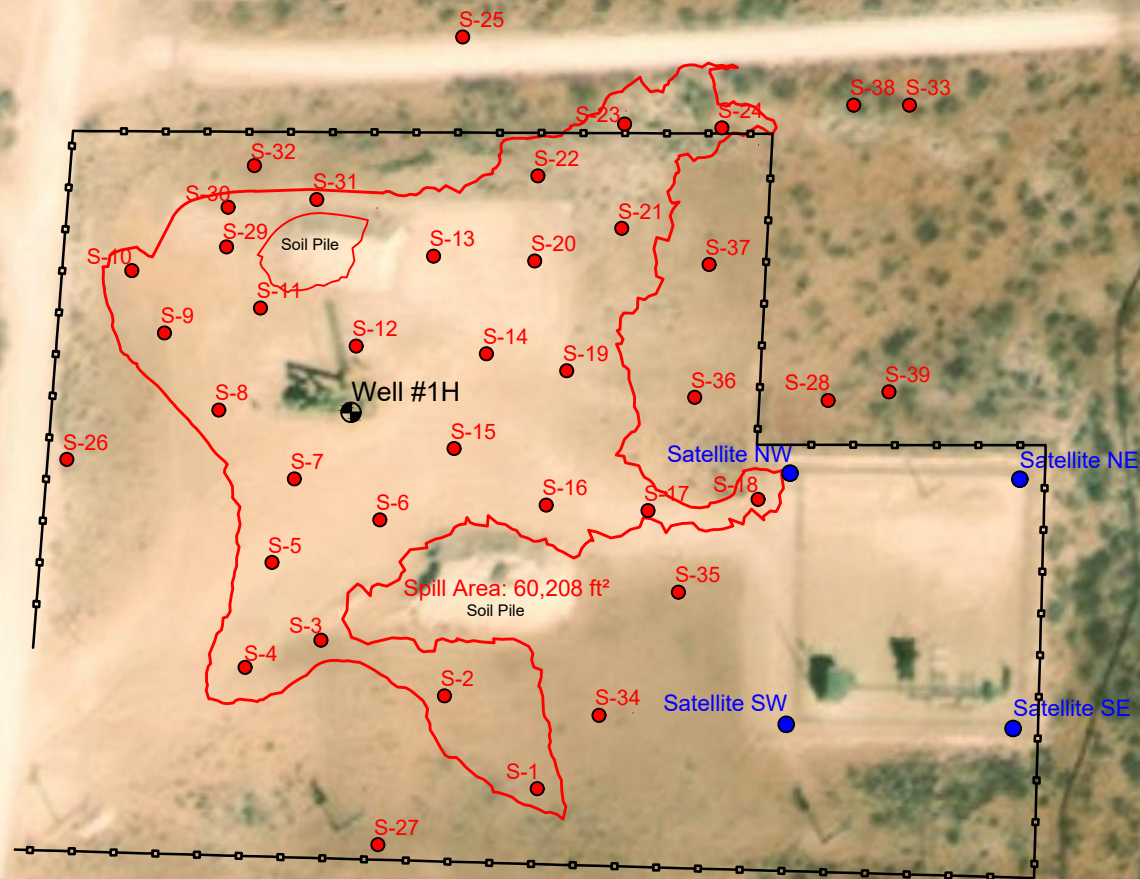


Figure 1 - Topographic Map



**Legend**

- Fence Line
- Spill Area
- Limestone Satellite Location
- Soil Sample Location

Figure 2 - Aerial Map Showing Soil Sample Locations

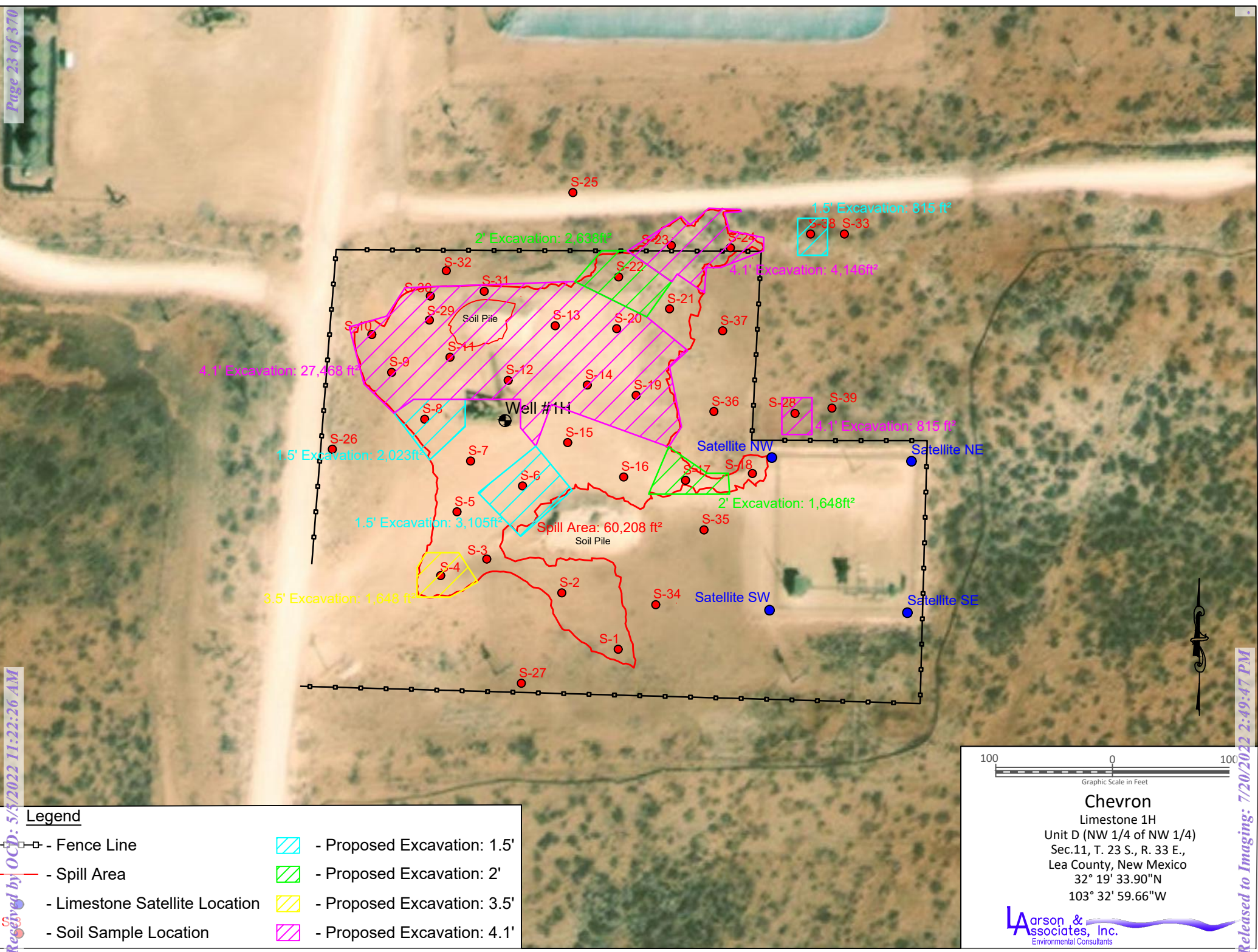


Figure 3 - Aerial Map Showing Proposed Excavation Locations

100 0 100  
Graphic Scale in Feet

**Chevron**  
Limestone 1H  
Unit D (NW 1/4 of NW 1/4)  
Sec.11, T. 23 S., R. 33 E.,  
Lea County, New Mexico  
32° 19' 33.90"N  
103° 32' 59.66"W

**Larson & Associates, Inc.**  
Environmental Consultants

## **Appendix A**

### **Chevron Spill Calculation and Spill Map**

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2121639500 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                                                                |                                 |
|----------------------------------------------------------------|---------------------------------|
| Responsible Party: Chevron USA Inc                             | OGRID: 4323                     |
| Contact Name: Amy Barnhill                                     | Contact Telephone: 432-687-7108 |
| Contact email: ABarnhill@chevron.com                           | Incident # (assigned by OCD)    |
| Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706 |                                 |

### Location of Release Source

Latitude 32.32596 \_\_\_\_\_ Longitude -103.5491 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                                  |                                    |
|----------------------------------|------------------------------------|
| Site Name: Limestone 1H          | Site Type: Oil                     |
| Date Release Discovered: 7-24-21 | API# (if applicable): 30-025-41360 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D           | 11      | 23S      | 33E   | Lea    |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

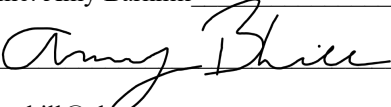
|                                                    |                                                                                |                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 5619bbls                                                | Volume Recovered (bbls) 5440 bbls                        |
|                                                    | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                  |

Cause of Release: This well was frac hit 7/24 PM, the stuffing box blew out and released 219 bbls produced water across location until approximately 1PM 7/25, 40 bbls of produced water was recovered. On 7-27 it was frac hit again. An emergency berm was constructed and 5400 bbls of produced water was diverted to the bermed area. All water was recovered via vac trucks. Attached spill map notes original spill area in blue, areas 1-4 and 6-8, and bermed area in orange, area 5.

|                                                                                                                                                                            |                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      | If YES, for what reason(s) does the responsible party consider this a major release?<br>Over 25 bbls produced water |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>Amy Barnhill notified Mike Bratcher via e-mail on 7-25-21. |                                                                                                                     |

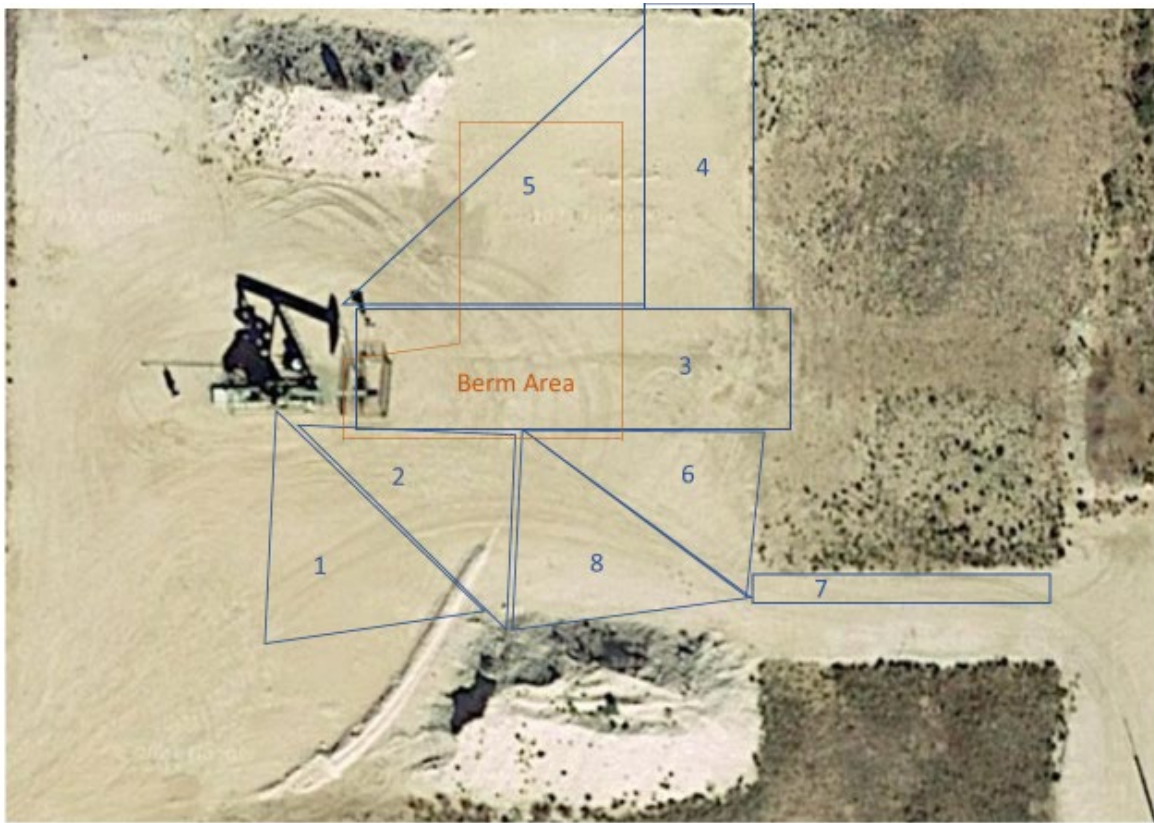
## Initial Response

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                               |                                                                                                |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                                                                |
| Printed Name: Amy Barnhill _____<br>Signature:  _____<br>email: ABarnhill@chevron.com _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Title: Water Specialist _____<br>Date: 8-4-21 <u>Updated 8-9-21</u><br>Telephone: 432-687-7108 |
| <b><u>OCD Only</u></b><br><br>Received by: _____ Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                |

## Spill Calculations

| MCBU Spill Calculations Worksheet (April 2020 Release)                                                                                                                         |                        |                        |                                                           |              | All light blue areas are Required Information |            |                                           | Incident Date              |                                                                                                | 7/24/2021-7/25/2021   |                             |            |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-----------------------------------------------------------|--------------|-----------------------------------------------|------------|-------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------|--------------|
| Only Change Values in Columns B, C & D!                                                                                                                                        |                        |                        |                                                           |              |                                               |            |                                           | Incident Time              |                                                                                                | Start Time            | End Time                    |            |              |
| Rectangular spill Do Not Change Formulas!!                                                                                                                                     |                        |                        |                                                           |              | Conversion Table                              |            |                                           | Location                   |                                                                                                | Limestone Fed 1H      |                             |            |              |
| All dimensions in feet!                                                                                                                                                        |                        |                        |                                                           |              |                                               |            |                                           | Lat/Long                   |                                                                                                | 32.32596, -103.5491   |                             |            |              |
| Length                                                                                                                                                                         | Width                  | Depth                  | Total Volume of Fluid in barrels                          |              | Conversions                                   | Feet       | All volumes in following table in barrels |                            |                                                                                                |                       |                             |            |              |
| Average total depth                                                                                                                                                            | 86                     | 5                      | 0.0208                                                    | 1.59         | Fluid total                                   | 1 inch     | 0.0833                                    | Area                       | Standing Liquid                                                                                | In Soil               | dimensions / shape          | Oil Volume | Water Volume |
| Use oil depth or skim thickness                                                                                                                                                |                        |                        |                                                           | 0.00         | Oil volume                                    | 2 inches   | 0.1667                                    | 1                          |                                                                                                | x                     | 50x52x.5" tri               |            | 2.17         |
|                                                                                                                                                                                |                        |                        |                                                           | 1.59         | Water Volume                                  | 3 inches   | 0.2500                                    | 2                          |                                                                                                | x                     | 62x52x2" tri                |            | 3.59         |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 4 inches   | 0.3333                                    | 3                          | 33.79                                                                                          | 60.78                 | 130x35x.5" (6" in soil)     |            | 94.57        |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 5 inches   | 0.4167                                    | 4                          | 8.34                                                                                           | 20.04                 | 90x25x.5" (4" in soil)      |            | 28.38        |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 6 inches   | 0.5000                                    | 5                          |                                                                                                | x                     | 90x80x2" tri                |            | 16.03        |
| Average total depth                                                                                                                                                            | 50                     | 68                     | 0.0208                                                    | 6.30         | Fluid total                                   | 7 inches   | 0.5833                                    | 6                          | 6.3                                                                                            | 15.14                 | 50x68x.25" tri (4" in soil) |            | 21.44        |
| Use oil depth or skim thickness                                                                                                                                                |                        |                        |                                                           | 0.00         | Oil volume                                    | 8 inches   | 0.6667                                    | 7                          | 1.59                                                                                           | 3.83                  | 86x5x.25 (4" in soil)       |            | 5.42         |
|                                                                                                                                                                                |                        |                        |                                                           | 6.30         | Water Volume                                  | 9 inches   | 0.7500                                    | 8                          |                                                                                                | x                     | 50x68x2" tri                |            | 7.57         |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 10 inches  | 0.8333                                    | Total Fluid 0 179.2        |                                                                                                |                       |                             |            |              |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 11 inches  | 0.9167                                    |                            |                                                                                                |                       |                             |            |              |
| Circular Spill                                                                                                                                                                 |                        |                        |                                                           |              |                                               | 1/256 inch | 0.00326                                   |                            |                                                                                                |                       |                             |            |              |
| All dimensions in feet!                                                                                                                                                        |                        |                        |                                                           |              |                                               | 1/128 inch | 0.00651                                   | Fluid Recovered in barrels |                                                                                                | Oil Volume            | Water Volume                |            |              |
| Diameter                                                                                                                                                                       | Depth                  |                        | Total Volume of Fluid in barrels                          |              | 1/64 inch                                     | 0.0013     |                                           |                            | 0                                                                                              | 40                    |                             |            |              |
| Average total depth                                                                                                                                                            |                        |                        | 0.00                                                      | Fluid total  | 1/32 inch                                     | 0.0026     | Weather Conditions Clear 90F              |                            |                                                                                                |                       |                             |            |              |
| Use oil depth or skim thickness                                                                                                                                                |                        |                        | 0.00                                                      | Oil volume   | 1/16 inch                                     | 0.0052     | Incident Detailed Discription             |                            |                                                                                                |                       |                             |            |              |
|                                                                                                                                                                                |                        |                        | 0.00                                                      | Water Volume | 1/8 inch                                      | 0.0104     |                                           |                            |                                                                                                |                       |                             |            |              |
|                                                                                                                                                                                |                        |                        |                                                           |              | 1/4 inch                                      | 0.0208     |                                           |                            |                                                                                                |                       |                             |            |              |
| Fluid in Soil Rectangular Spill *                                                                                                                                              |                        |                        |                                                           |              |                                               | 3/8 inch   | 0.0313                                    |                            |                                                                                                |                       |                             |            |              |
| All dimensions in feet!                                                                                                                                                        |                        |                        |                                                           |              |                                               | 1/2 inch   | 0.0417                                    |                            |                                                                                                |                       |                             |            |              |
| Length                                                                                                                                                                         | Width                  | Depth-Soil Penetration | Total Volume of Fluid in Soil Pore Space (15%) in barrels |              | 5/8 inch                                      | 0.0521     | Immediate Actions Taken                   |                            | established permitter and contacted WIT. WIT mobilized resources to divert fluid to frac tanks |                       |                             |            |              |
| Average total depth                                                                                                                                                            | 86                     | 5                      | 0.3333                                                    | 3.83         | Fluid total                                   | 3/4 inch   | 0.0625                                    |                            |                                                                                                |                       |                             |            |              |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               | 7/8 inch   | 0.0729                                    |                            |                                                                                                |                       |                             |            |              |
| Fluid in Soil Triangular Spill *                                                                                                                                               |                        |                        |                                                           |              |                                               |            |                                           | Equipment Component        |                                                                                                | frac communicaiton    |                             |            |              |
| All dimensions in feet!                                                                                                                                                        |                        |                        |                                                           |              |                                               |            |                                           | Cause                      |                                                                                                | Frac hit              |                             |            |              |
| Length                                                                                                                                                                         | Width                  | Depth-Soil Penetration | Total Volume of Fluid in Soil Pore Space (15%) in barrels |              |                                               |            |                                           |                            |                                                                                                |                       |                             |            |              |
| Average total depth                                                                                                                                                            | 50                     | 68                     | 0.1667                                                    | 7.57         | Fluid total                                   |            |                                           |                            |                                                                                                |                       |                             |            |              |
| Fluid in Soil Circular Spill *                                                                                                                                                 |                        |                        |                                                           |              |                                               |            |                                           | Failure Description        |                                                                                                | stuffing box blew out |                             |            |              |
| All dimensions in feet!                                                                                                                                                        |                        |                        |                                                           |              |                                               |            |                                           |                            |                                                                                                |                       |                             |            |              |
| Diameter                                                                                                                                                                       | Depth-Soil Penetration |                        | Total Volume of Fluid in Soil Pore Space (15%) in barrels |              |                                               |            |                                           |                            |                                                                                                |                       |                             |            |              |
| Average total depth                                                                                                                                                            | 8                      | 3                      | 4.03                                                      | Fluid total  |                                               |            |                                           |                            |                                                                                                |                       |                             |            |              |
| * Based on 15% in soil pore space. Adjust up or down based upon site-specific conditions (sand vs. clay, soil dry or wet prior to event, etc.), local knowledge and judgement. |                        |                        |                                                           |              |                                               |            |                                           | Person Making Report       |                                                                                                | Name                  | Mike Nemanic                |            |              |
|                                                                                                                                                                                |                        |                        |                                                           |              |                                               |            |                                           |                            |                                                                                                | Phone                 | 832-294-4558                |            |              |



**Appendix B**  
**Karst Risk Potential**



**Appendix C**  
**Laboratory Reports**



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-6758-1

Laboratory Sample Delivery Group: 21-0100-24

Client Project/Site: Limestone 1H

**For:**

Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, Texas 79701

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:  
10/11/2021 11:44:56 AM

Holly Taylor, Project Manager  
(806)794-1296  
[holly.taylor@eurofinset.com](mailto:holly.taylor@eurofinset.com)

#### LINKS

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results through

**TotalAccess**

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Laboratory Job ID: 880-6758-1  
SDG: 21-0100-24

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## Definitions/Glossary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                       |

Eurofins Xenco, Midland

## Case Narrative

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

**Job ID: 880-6758-1**

**Laboratory: Eurofins Xenco, Midland**

**Narrative**

**Job Narrative  
880-6758-1**

**Receipt**

The samples were received on 10/4/2021 10:23 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 1.0°C

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-8979 and analytical batch 880-9023 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28)

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9033 and analytical batch 880-9025 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-16 1' (880-6758-61), S-16 3' (880-6758-62), S-16 10' (880-6758-64), S-17 3' (880-6758-66), S-17 5' (880-6758-67), S-17 10' (880-6758-68), S-18 1' (880-6758-69), S-18 3' (880-6758-70), S-18 5' (880-6758-71), S-18 10' (880-6758-72), S-27 3' (880-6758-74), S-27 5' (880-6758-75), S-27 10' (880-6758-76), S-35 3' (880-6758-78), S-35 5' (880-6758-79) and (MB 880-9036/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8906 and analytical batch 880-9157 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-1 1'

Lab Sample ID: 880-6758-1

Date Collected: 09/27/21 12:20

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| Ethylbenzene   | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| m,p-Xylenes    | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| o-Xylene       | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| Xylenes, Total | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 143       | S1+       | 70 - 130 | 10/04/21 14:20 | 10/08/21 16:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 145       | S1+       | 70 - 130 | 10/04/21 14:20 | 10/08/21 16:12 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 65.3   |           | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 15:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 15:45 | 1       |
| Oil Range Organics (Over C28-C36)    | 65.3   |           | 49.9 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 15:45 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 100       |           | 70 - 130 | 10/05/21 11:42 | 10/06/21 15:45 | 1       |
| o-Terphenyl (Surr)    | 107       |           | 70 - 130 | 10/05/21 11:42 | 10/06/21 15:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <4.96  | U         | 4.96 | mg/Kg |   |          | 10/07/21 20:13 | 1       |

Client Sample ID: S-1 3'

Lab Sample ID: 880-6758-2

Date Collected: 09/27/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 16:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 16:33 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-1 3'

Lab Sample ID: 880-6758-2

Date Collected: 09/27/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 119       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 16:29 | 1       |
| o-Terphenyl (Surr)                   | 122       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 16:29 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 54.2   |           | 5.02 | mg/Kg |   |          | 10/07/21 20:19 | 1       |

Client Sample ID: S-1 5'

Lab Sample ID: 880-6758-3

Date Collected: 09/27/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 128       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 16:54 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:51 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-1 5'

Lab Sample ID: 880-6758-3

Date Collected: 09/27/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 16:51 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 108       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 16:51 | 1       |
| o-Terphenyl (Surr)                | 111       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 16:51 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 19.8   | F1        | 4.98 | mg/Kg |   |          | 10/07/21 20:25 | 1       |

Client Sample ID: S-1 10'

Lab Sample ID: 880-6758-4

Date Collected: 09/27/21 12:23

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 79        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 17:14 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 96        |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 17:13 | 1       |
| o-Terphenyl (Surr)                   | 100       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 17:13 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 50.0   |           | 5.04 | mg/Kg |   |          | 10/07/21 20:44 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-2 1'

Lab Sample ID: 880-6758-5

Date Collected: 09/27/21 13:00

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 17:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 17:35 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:35 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 101       |           | 70 - 130 | 10/05/21 11:42 | 10/06/21 17:35 | 1       |
| o-Terphenyl (Surr)    | 108       |           | 70 - 130 | 10/05/21 11:42 | 10/06/21 17:35 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 183    |           | 4.97 | mg/Kg |   |          | 10/07/21 20:50 | 1       |

Client Sample ID: S-2 3'

Lab Sample ID: 880-6758-6

Date Collected: 09/27/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 17:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 17:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 17:56 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-2 3'

Lab Sample ID: 880-6758-6

Date Collected: 09/27/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 17:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 17:57 | 1       |
| o-Terphenyl (Surr)                   | 122       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 17:57 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 172    |           | 4.98 | mg/Kg |   |          | 10/07/21 21:09 | 1       |

Client Sample ID: S-2 5'

Lab Sample ID: 880-6758-7

Date Collected: 09/27/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 18:17 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:19 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-2 5'

Lab Sample ID: 880-6758-7

Date Collected: 09/27/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:19 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 120       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 18:19 | 1       |
| o-Terphenyl (Surr)                | 125       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 18:19 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 31.0   |           | 4.95 | mg/Kg |   |          | 10/07/21 21:15 | 1       |

Client Sample ID: S-2 10'

Lab Sample ID: 880-6758-8

Date Collected: 09/27/21 13:03

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 18:37 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 18:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 102       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 18:41 | 1       |
| o-Terphenyl (Surr)                   | 108       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 18:41 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 36.8   |           | 5.04 | mg/Kg |   |          | 10/07/21 21:21 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-3 1'

Lab Sample ID: 880-6758-9

Date Collected: 09/27/21 13:30

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 18:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 18:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 123       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 18:58 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 12:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 12:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 12:56 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 102       |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 12:56 | 1       |
| o-Terphenyl (Surr)    | 107       |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 12:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 29.9   |           | 5.02 | mg/Kg |   |          | 10/07/21 21:28 | 1       |

Client Sample ID: S-3 3'

Lab Sample ID: 880-6758-10

Date Collected: 09/27/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 19:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 19:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 19:19 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-3 3'

Lab Sample ID: 880-6758-10

Date Collected: 09/27/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 91        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:01 | 1       |
| o-Terphenyl (Surr)                   | 98        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 59.5   |           | 4.98 | mg/Kg |   |          | 10/07/21 21:34 | 1       |

Client Sample ID: S-3 5'

Lab Sample ID: 880-6758-11

Date Collected: 09/27/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 78        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 20:42 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:23 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-3 5'

Lab Sample ID: 880-6758-11

Date Collected: 09/27/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:23 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 96        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:23 | 1       |
| o-Terphenyl (Surr)                | 102       |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:23 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 24.4   |           | 4.95 | mg/Kg |   |          | 10/07/21 21:40 | 1       |

Client Sample ID: S-3 10'

Lab Sample ID: 880-6758-12

Date Collected: 09/27/21 13:33

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 21:03 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 14:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 88        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:45 | 1       |
| o-Terphenyl (Surr)                   | 91        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 14:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 32.8   |           | 4.95 | mg/Kg |   |          | 10/07/21 21:46 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-4 1'

Lab Sample ID: 880-6758-13

Date Collected: 09/27/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 21:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 21:23 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:07 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 98        |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 15:07 | 1       |
| o-Terphenyl (Surr)    | 101       |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 15:07 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 328    |           | 4.95 | mg/Kg |   |          | 10/08/21 17:31 | 1       |

Client Sample ID: S-4 3'

Lab Sample ID: 880-6758-14

Date Collected: 09/27/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 21:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 21:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 21:44 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-4 3'

Lab Sample ID: 880-6758-14

Date Collected: 09/27/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 90        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 15:29 | 1       |
| o-Terphenyl (Surr)                   | 95        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 15:29 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1280   |           | 5.05 | mg/Kg |   |          | 10/08/21 17:48 | 1       |

Client Sample ID: S-4 5'

Lab Sample ID: 880-6758-15

Date Collected: 09/27/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 22:05 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:50 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-4 5'

Lab Sample ID: 880-6758-15

Date Collected: 09/27/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 15:50 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 86        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 15:50 | 1       |
| o-Terphenyl (Surr)                | 93        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 15:50 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 100    |           | 4.97 | mg/Kg |   |          | 10/08/21 17:53 | 1       |

Client Sample ID: S-4 10'

Lab Sample ID: 880-6758-16

Date Collected: 09/27/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 22:25 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 95        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 16:12 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 16:12 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 14.8   |           | 4.99 | mg/Kg |   |          | 10/08/21 17:59 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-5 1'

Lab Sample ID: 880-6758-17

Date Collected: 09/27/21 14:10

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 22:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 | 10/04/21 14:20 | 10/08/21 22:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 22:46 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:34 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 97        |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 16:34 | 1       |
| o-Terphenyl (Surr)    | 100       |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 16:34 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 14.7   |           | 4.96 | mg/Kg |   |          | 10/08/21 18:04 | 1       |

Client Sample ID: S-5 3'

Lab Sample ID: 880-6758-18

Date Collected: 09/27/21 14:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 23:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 10/04/21 14:20 | 10/08/21 23:07 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-5 3'

Lab Sample ID: 880-6758-18

Date Collected: 09/27/21 14:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 16:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 92        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 16:56 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 16:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 36.3   |           | 5.04 | mg/Kg |   |          | 10/08/21 18:21 | 1       |

Client Sample ID: S-5 5'

Lab Sample ID: 880-6758-19

Date Collected: 09/27/21 14:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 217       | S1+       | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 23:27 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 17:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 17:40 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-5 5'

Lab Sample ID: 880-6758-19

Date Collected: 09/27/21 14:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 17:40 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 95        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 17:40 | 1       |
| o-Terphenyl (Surr)                | 101       |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 17:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.8   |           | 5.02 | mg/Kg |   |          | 10/08/21 18:27 | 1       |

Client Sample ID: S-5 10'

Lab Sample ID: 880-6758-20

Date Collected: 09/27/21 14:13

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| m,p-Xylenes                 | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |       |   | 10/04/21 14:20 | 10/08/21 23:48 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 18:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 18:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:31 | 10/07/21 18:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 99        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 18:01 | 1       |
| o-Terphenyl (Surr)                   | 98        |           | 70 - 130 |       |   | 10/06/21 13:31 | 10/07/21 18:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 13.4   |           | 4.98 | mg/Kg |   |          | 10/08/21 18:32 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-6 1'

Lab Sample ID: 880-6758-21

Date Collected: 09/28/21 08:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| Toluene        | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| Ethylbenzene   | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| m,p-Xylenes    | <0.00401 | U F1      | 0.00401 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| o-Xylene       | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| Xylenes, Total | <0.00401 | U F1      | 0.00401 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 03:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 03:13 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 1150   |           | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U *1      | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:01 | 1       |
| Diesel Range Organics (Over C10-C28) | 1150   | *1        | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:01 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 93        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 14:01 | 1       |
| o-Terphenyl (Surr)    | 96        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 14:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 21.7   |           | 4.95 | mg/Kg |   |          | 10/08/21 18:38 | 1       |

Client Sample ID: S-6 3'

Lab Sample ID: 880-6758-22

Date Collected: 09/28/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 129       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 03:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 03:33 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-6 3'

Lab Sample ID: 880-6758-22

Date Collected: 09/28/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *1      | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 12:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 12:56 | 1       |
| OII Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 12:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 92        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 12:56 | 1       |
| o-Terphenyl (Surr)                   | 93        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 12:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 11.6   |           | 4.99 | mg/Kg |   |          | 10/08/21 18:44 | 1       |

Client Sample ID: S-6 5'

Lab Sample ID: 880-6758-23

Date Collected: 09/28/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 03:54 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:23 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-6 5'

Lab Sample ID: 880-6758-23

Date Collected: 09/28/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:23 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 88        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 14:23 | 1       |
| o-Terphenyl (Surr)                | 90        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 14:23 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 171    |           | 4.98 | mg/Kg |   |          | 10/08/21 18:49 | 1       |

Client Sample ID: S-6 10'

Lab Sample ID: 880-6758-24

Date Collected: 09/28/21 08:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| m,p-Xylenes                 | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 04:15 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 14:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 96        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 14:45 | 1       |
| o-Terphenyl (Surr)                   | 97        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 14:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 191    |           | 5.05 | mg/Kg |   |          | 10/08/21 19:06 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-7 1'

Lab Sample ID: 880-6758-25

Date Collected: 09/28/21 09:15

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| m,p-Xylenes    | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| Xylenes, Total | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 04:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 04:35 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:07 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 95        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 15:07 | 1       |
| o-Terphenyl (Surr)    | 94        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 15:07 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 107    |           | 4.97 | mg/Kg |   |          | 10/08/21 19:12 | 1       |

Client Sample ID: S-7 3'

Lab Sample ID: 880-6758-26

Date Collected: 09/28/21 09:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 04:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 75        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 04:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 04:56 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-7 3'

Lab Sample ID: 880-6758-26

Date Collected: 09/28/21 09:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *1      | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:29 | 1       |
| OII Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 101       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 15:29 | 1       |
| o-Terphenyl (Surr)                   | 109       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 15:29 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 102    |           | 4.95 | mg/Kg |   |          | 10/08/21 19:29 | 1       |

Client Sample ID: S-7 5'

Lab Sample ID: 880-6758-27

Date Collected: 09/28/21 09:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 1         | S1-       | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 05:17 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:50 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-7 5'

Lab Sample ID: 880-6758-27

Date Collected: 09/28/21 09:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 15:50 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 104       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 15:50 | 1       |
| o-Terphenyl (Surr)                | 111       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 15:50 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 255    |           | 4.99 | mg/Kg |   |          | 10/08/21 19:35 | 1       |

Client Sample ID: S-7 10'

Lab Sample ID: 880-6758-28

Date Collected: 09/28/21 09:18

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 05:38 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 94        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 16:12 | 1       |
| o-Terphenyl (Surr)                   | 106       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 16:12 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 110    |           | 5.02 | mg/Kg |   |          | 10/08/21 19:40 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-8 1'

Lab Sample ID: 880-6758-29

Date Collected: 09/28/21 09:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 05:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 189       | S1+       | 70 - 130 | 10/04/21 14:23 | 10/09/21 05:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 05:58 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:34 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 104       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 16:34 | 1       |
| o-Terphenyl (Surr)    | 121       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 16:34 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 755    |           | 24.9 | mg/Kg |   |          | 10/08/21 19:46 | 5       |

Client Sample ID: S-8 3'

Lab Sample ID: 880-6758-30

Date Collected: 09/28/21 09:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 06:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 75        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 06:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 06:19 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-8 3'

Lab Sample ID: 880-6758-30

Date Collected: 09/28/21 09:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 16:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 102       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 16:56 | 1       |
| o-Terphenyl (Surr)                   | 119       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 16:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 135    |           | 4.95 | mg/Kg |   |          | 10/08/21 19:51 | 1       |

Client Sample ID: S-8 5'

Lab Sample ID: 880-6758-31

Date Collected: 09/28/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 07:42 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 17:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 17:40 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-8 5'

Lab Sample ID: 880-6758-31

Date Collected: 09/28/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 17:40 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 112       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 17:40 | 1       |
| o-Terphenyl (Surr)                | 120       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 17:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 87.7   |           | 5.04 | mg/Kg |   |          | 10/08/21 19:57 | 1       |

Client Sample ID: S-8 10'

Lab Sample ID: 880-6758-32

Date Collected: 09/28/21 09:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 08:03 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *1      | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 108       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 18:01 | 1       |
| o-Terphenyl (Surr)                   | 119       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 18:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 121    |           | 4.97 | mg/Kg |   |          | 10/08/21 20:03 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-9 1'

Lab Sample ID: 880-6758-33

Date Collected: 09/28/21 10:15

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 08:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 08:24 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:22 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 82        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 18:22 | 1       |
| o-Terphenyl (Surr)    | 88        |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 18:22 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 144    |           | 5.00 | mg/Kg |   |          | 10/09/21 13:22 | 1       |

Client Sample ID: S-9 3'

Lab Sample ID: 880-6758-34

Date Collected: 09/28/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 08:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 | 10/04/21 14:23 | 10/09/21 08:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 08:45 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-9 3'

Lab Sample ID: 880-6758-34

Date Collected: 09/28/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 18:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 91        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 18:44 | 1       |
| o-Terphenyl (Surr)                   | 98        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 18:44 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 235    |           | 5.04 | mg/Kg |   |          | 10/09/21 13:39 | 1       |

Client Sample ID: S-9 5'

Lab Sample ID: 880-6758-35

Date Collected: 09/28/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| m,p-Xylenes                 | <0.00397  | U         | 0.00397  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| Xylenes, Total              | <0.00397  | U         | 0.00397  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 09:06 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:06 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-9 5'

Lab Sample ID: 880-6758-35

Date Collected: 09/28/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:06 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 91        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 19:06 | 1       |
| o-Terphenyl (Surr)                | 96        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 19:06 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 144    |           | 4.98 | mg/Kg |   |          | 10/09/21 13:45 | 1       |

Client Sample ID: S-9 10'

Lab Sample ID: 880-6758-36

Date Collected: 09/28/21 10:18

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 09:26 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 1010   |           | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *1      | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:27 | 1       |
| Diesel Range Organics (Over C10-C28) | 1010      | *1        | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 99        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 19:27 | 1       |
| o-Terphenyl (Surr)                   | 103       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 19:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 966    |           | 5.05 | mg/Kg |   |          | 10/09/21 13:50 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-10 1'

Lab Sample ID: 880-6758-37

Date Collected: 09/28/21 10:30

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 09:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 09:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 09:47 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 644    |           | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U *1      | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:49 | 1       |
| Diesel Range Organics (Over C10-C28) | 644    | *1        | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 19:49 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 121       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 19:49 | 1       |
| o-Terphenyl (Surr)    | 123       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 19:49 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 458    |           | 4.97 | mg/Kg |   |          | 10/09/21 13:56 | 1       |

Client Sample ID: S-10 3'

Lab Sample ID: 880-6758-38

Date Collected: 09/28/21 10:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 10:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 10/04/21 14:23 | 10/09/21 10:08 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-10 3'

Lab Sample ID: 880-6758-38

Date Collected: 09/28/21 10:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 273    |           | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:10 | 1       |
| Diesel Range Organics (Over C10-C28) | 273       | *1        | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:10 | 1       |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:10 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 698    |           | 4.95 | mg/Kg |   |          | 10/09/21 14:13 | 1       |

Client Sample ID: S-10 5'

Lab Sample ID: 880-6758-39

Date Collected: 09/28/21 10:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| m,p-Xylenes                 | <0.00397  | U         | 0.00397  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| Xylenes, Total              | <0.00397  | U         | 0.00397  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 10:28 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *1      | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:32 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-10 5'

Lab Sample ID: 880-6758-39

Date Collected: 09/28/21 10:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:32 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 98        |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:32 | 1       |
| o-Terphenyl (Surr)                | 102       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 3270   |           | 24.8 | mg/Kg |   |          | 10/09/21 14:18 | 5       |

Client Sample ID: S-10 10'

Lab Sample ID: 880-6758-40

Date Collected: 09/28/21 10:33

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 10/04/21 14:23 | 10/09/21 10:49 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *1      | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/06/21 13:47 | 10/07/21 20:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 101       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:53 | 1       |
| o-Terphenyl (Surr)                   | 115       |           | 70 - 130 |       |   | 10/06/21 13:47 | 10/07/21 20:53 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 143    |           | 4.96 | mg/Kg |   |          | 10/09/21 14:24 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-11 1'

Lab Sample ID: 880-6758-41

Date Collected: 09/28/21 10:50

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| Toluene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| Ethylbenzene   | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| m,p-Xylenes    | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| o-Xylene       | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| Xylenes, Total | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 69        | S1-       | 70 - 130 | 10/04/21 14:25 | 10/09/21 14:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 14:13 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 196    |           | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 11:01 | 1       |
| Diesel Range Organics (Over C10-C28) | 196    | F1        | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 11:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 11:01 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 84        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 11:01 | 1       |
| o-Terphenyl (Surr)    | 97        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 11:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 138    |           | 5.02 | mg/Kg |   |          | 10/09/21 14:29 | 1       |

Client Sample ID: S-11 3'

Lab Sample ID: 880-6758-42

Date Collected: 09/28/21 10:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 14:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 14:34 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-11 3'

Lab Sample ID: 880-6758-42

Date Collected: 09/28/21 10:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 79        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:04 | 1       |
| o-Terphenyl (Surr)                   | 92        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1130   |           | 4.98 | mg/Kg |   |          | 10/09/21 14:35 | 1       |

Client Sample ID: S-11 5'

Lab Sample ID: 880-6758-43

Date Collected: 09/28/21 10:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 14:55 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:26 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-11 5'

Lab Sample ID: 880-6758-43

Date Collected: 09/28/21 10:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:26 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 81        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:26 | 1       |
| o-Terphenyl (Surr)                | 91        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 333    |           | 4.99 | mg/Kg |   |          | 10/09/21 14:41 | 1       |

Client Sample ID: S-11 10'

Lab Sample ID: 880-6758-44

Date Collected: 09/28/21 10:53

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 15:16 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 12:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:48 | 1       |
| o-Terphenyl (Surr)                   | 106       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 12:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 85.5   |           | 5.04 | mg/Kg |   |          | 10/09/21 14:58 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-12 1'

Lab Sample ID: 880-6758-45

Date Collected: 09/28/21 12:20

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 15:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 15:36 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:09 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 78        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 13:09 | 1       |
| o-Terphenyl (Surr)    | 88        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 13:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 3100   |           | 24.9 | mg/Kg |   |          | 10/09/21 16:39 | 5       |

Client Sample ID: S-12 3'

Lab Sample ID: 880-6758-46

Date Collected: 09/28/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 15:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 15:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 15:57 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-12 3'

Lab Sample ID: 880-6758-46

Date Collected: 09/28/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 80        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 13:32 | 1       |
| o-Terphenyl (Surr)                   | 91        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 13:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1890   |           | 25.2 | mg/Kg |   |          | 10/09/21 16:56 | 5       |

Client Sample ID: S-12 5'

Lab Sample ID: 880-6758-47

Date Collected: 09/28/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 16:18 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:54 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-12 5'

Lab Sample ID: 880-6758-47

Date Collected: 09/28/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 13:54 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 96        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 13:54 | 1       |
| o-Terphenyl (Surr)                | 109       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 13:54 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 892    |           | 4.97 | mg/Kg |   |          | 10/09/21 17:02 | 1       |

Client Sample ID: S-12 10'

Lab Sample ID: 880-6758-48

Date Collected: 09/28/21 12:23

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 16:39 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 79        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 14:15 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 14:15 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 120    |           | 4.95 | mg/Kg |   |          | 10/09/21 17:07 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-13 1'

Lab Sample ID: 880-6758-49

Date Collected: 09/28/21 12:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 16:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 16:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 16:59 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:37 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 82        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 14:37 | 1       |
| o-Terphenyl (Surr)    | 96        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 14:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 5580   |           | 25.0 | mg/Kg |   |          | 10/09/21 17:13 | 5       |

Client Sample ID: S-13 3'

Lab Sample ID: 880-6758-50

Date Collected: 09/28/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 17:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 17:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 17:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-13 3'

Lab Sample ID: 880-6758-50

Date Collected: 09/28/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 14:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 83        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 14:59 | 1       |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 14:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1930   |           | 24.9 | mg/Kg |   |          | 10/09/21 17:30 | 5       |

Client Sample ID: S-13 5'

Lab Sample ID: 880-6758-51

Date Collected: 09/28/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 18:43 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 15:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 15:42 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-13 5'

Lab Sample ID: 880-6758-51

Date Collected: 09/28/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 15:42 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 85        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 15:42 | 1       |
| o-Terphenyl (Surr)                | 100       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 15:42 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1300   |           | 4.95 | mg/Kg |   |          | 10/09/21 17:35 | 1       |

Client Sample ID: S-13 10'

Lab Sample ID: 880-6758-52

Date Collected: 09/28/21 12:38

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 76        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 19:03 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 81        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 16:04 | 1       |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 16:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 244    |           | 4.99 | mg/Kg |   |          | 10/09/21 17:41 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-14 1'

Lab Sample ID: 880-6758-53

Date Collected: 09/28/21 12:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| m,p-Xylenes    | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| Xylenes, Total | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 19:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 19:24 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:26 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 102       |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 16:26 | 1       |
| o-Terphenyl (Surr)    | 118       |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 16:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 6520   |           | 50.2 | mg/Kg |   |          | 10/09/21 17:46 | 10      |

Client Sample ID: S-14 3'

Lab Sample ID: 880-6758-54

Date Collected: 09/28/21 12:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 19:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 81        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 19:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 19:45 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-14 3'

Lab Sample ID: 880-6758-54

Date Collected: 09/28/21 12:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 16:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 89        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 16:47 | 1       |
| o-Terphenyl (Surr)                   | 101       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 16:47 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1670   |           | 24.9 | mg/Kg |   |          | 10/09/21 17:52 | 5       |

Client Sample ID: S-14 5'

Lab Sample ID: 880-6758-55

Date Collected: 09/28/21 12:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 20:06 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:09 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-14 5'

Lab Sample ID: 880-6758-55

Date Collected: 09/28/21 12:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:09 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 100       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 17:09 | 1       |
| o-Terphenyl (Surr)                | 110       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 17:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 833    | F1        | 5.00 | mg/Kg |   |          | 10/09/21 17:58 | 1       |

Client Sample ID: S-14 10'

Lab Sample ID: 880-6758-56

Date Collected: 09/28/21 12:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 20:27 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 81        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 17:32 | 1       |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 17:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 37.2   |           | 4.99 | mg/Kg |   |          | 10/09/21 18:15 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-15 1'

Lab Sample ID: 880-6758-57

Date Collected: 09/28/21 13:15

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 20:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 20:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 20:47 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 17:53 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 84        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 17:53 | 1       |
| o-Terphenyl (Surr)    | 99        |           | 70 - 130 | 10/07/21 08:37 | 10/07/21 17:53 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 558    |           | 4.97 | mg/Kg |   |          | 10/09/21 18:20 | 1       |

Client Sample ID: S-15 3'

Lab Sample ID: 880-6758-58

Date Collected: 09/28/21 13:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 81        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 21:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 10/04/21 14:25 | 10/09/21 21:08 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-15 3'

Lab Sample ID: 880-6758-58

Date Collected: 09/28/21 13:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 84        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:15 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:15 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 29.4   |           | 4.96 | mg/Kg |   |          | 10/09/21 19:56 | 1       |

Client Sample ID: S-15 5'

Lab Sample ID: 880-6758-59

Date Collected: 09/28/21 13:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |
| 1,4-Difluorobenzene (Surr)  | 74        |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 21:29 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:37 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-15 5'

Lab Sample ID: 880-6758-59

Date Collected: 09/28/21 13:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:37 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 97        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:37 | 1       |
| o-Terphenyl (Surr)                | 112       |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.2   |           | 5.04 | mg/Kg |   |          | 10/09/21 20:13 | 1       |

Client Sample ID: S-15 10'

Lab Sample ID: 880-6758-60

Date Collected: 09/28/21 13:18

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |       |   | 10/04/21 14:25 | 10/09/21 21:49 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/08/21 16:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 18:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 80        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:59 | 1       |
| o-Terphenyl (Surr)                   | 89        |           | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 18:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 8.86   |           | 5.02 | mg/Kg |   |          | 10/09/21 20:19 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-16 1'

Lab Sample ID: 880-6758-61

Date Collected: 09/28/21 13:30

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| Toluene        | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| Ethylbenzene   | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| m,p-Xylenes    | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| o-Xylene       | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| Xylenes, Total | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 02:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 71        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 02:53 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 11:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 11:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 11:01 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 113       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 11:01 | 1       |
| o-Terphenyl (Surr)    | 132       | S1+       | 70 - 130 | 10/07/21 08:53 | 10/07/21 11:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 307    |           | 4.98 | mg/Kg |   |          | 10/09/21 20:24 | 1       |

Client Sample ID: S-16 3'

Lab Sample ID: 880-6758-62

Date Collected: 09/28/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 03:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 03:13 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-16 3'

Lab Sample ID: 880-6758-62

Date Collected: 09/28/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 115       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:04 | 1       |
| o-Terphenyl (Surr)                   | 137       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 42.6   |           | 4.95 | mg/Kg |   |          | 10/09/21 20:30 | 1       |

Client Sample ID: S-16 5'

Lab Sample ID: 880-6758-63

Date Collected: 09/28/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 154       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 74        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 03:33 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:26 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-16 5'

Lab Sample ID: 880-6758-63

Date Collected: 09/28/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:26 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 108       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:26 | 1       |
| o-Terphenyl (Surr)                | 128       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 19.3   |           | 4.97 | mg/Kg |   |          | 10/09/21 20:47 | 1       |

Client Sample ID: S-16 10'

Lab Sample ID: 880-6758-64

Date Collected: 09/28/21 13:33

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 145       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 03:54 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 12:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:48 | 1       |
| o-Terphenyl (Surr)                   | 134       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 12:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 21.4   |           | 4.98 | mg/Kg |   |          | 10/09/21 20:52 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-17 1'

Lab Sample ID: 880-6758-65

Date Collected: 09/28/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 04:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 04:14 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:09 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 109       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 13:09 | 1       |
| o-Terphenyl (Surr)    | 124       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 13:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1360   |           | 4.99 | mg/Kg |   |          | 10/09/21 20:58 | 1       |

Client Sample ID: S-17 3'

Lab Sample ID: 880-6758-66

Date Collected: 09/28/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 04:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 04:35 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-17 3'

Lab Sample ID: 880-6758-66

Date Collected: 09/28/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 13:32 | 1       |
| o-Terphenyl (Surr)                   | 137       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 13:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 51.7   |           | 5.01 | mg/Kg |   |          | 10/09/21 21:04 | 1       |

Client Sample ID: S-17 5'

Lab Sample ID: 880-6758-67

Date Collected: 09/28/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 140       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 04:55 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:54 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-17 5'

Lab Sample ID: 880-6758-67

Date Collected: 09/28/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 13:54 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 107       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 13:54 | 1       |
| o-Terphenyl (Surr)                | 131       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 13:54 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 35.8   |           | 4.98 | mg/Kg |   |          | 10/09/21 21:09 | 1       |

Client Sample ID: S-17 10'

Lab Sample ID: 880-6758-68

Date Collected: 09/28/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 05:15 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 107       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 14:15 | 1       |
| o-Terphenyl (Surr)                   | 132       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 14:15 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 19.2   |           | 4.95 | mg/Kg |   |          | 10/09/21 21:15 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-18 1'

Lab Sample ID: 880-6758-69

Date Collected: 09/28/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 05:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 05:36 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:37 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 121       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 14:37 | 1       |
| o-Terphenyl (Surr)    | 146       | S1+       | 70 - 130 | 10/07/21 08:53 | 10/07/21 14:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 59.0   |           | 5.05 | mg/Kg |   |          | 10/09/21 21:32 | 1       |

Client Sample ID: S-18 3'

Lab Sample ID: 880-6758-70

Date Collected: 09/28/21 14:06

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 05:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 155       | S1+       | 70 - 130 | 10/04/21 14:32 | 10/10/21 05:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 05:56 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-18 3'

Lab Sample ID: 880-6758-70

Date Collected: 09/28/21 14:06

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 14:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 114       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 14:59 | 1       |
| o-Terphenyl (Surr)                   | 140       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 14:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 513    |           | 4.97 | mg/Kg |   |          | 10/09/21 21:37 | 1       |

Client Sample ID: S-18 5'

Lab Sample ID: 880-6758-71

Date Collected: 09/28/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 129       |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 07:18 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 15:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 15:42 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-18 5'

Lab Sample ID: 880-6758-71

Date Collected: 09/28/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 15:42 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 122       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 15:42 | 1       |
| o-Terphenyl (Surr)                | 152       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 15:42 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 35.5   |           | 4.98 | mg/Kg |   |          | 10/09/21 21:54 | 1       |

Client Sample ID: S-18 10'

Lab Sample ID: 880-6758-72

Date Collected: 09/28/21 14:08

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 07:39 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 126       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 16:04 | 1       |
| o-Terphenyl (Surr)                   | 148       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 16:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 32.9   |           | 4.95 | mg/Kg |   |          | 10/09/21 22:00 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-27 1'

Lab Sample ID: 880-6758-73

Date Collected: 09/29/21 08:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 07:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 07:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 07:59 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:26 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 107       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 16:26 | 1       |
| o-Terphenyl (Surr)    | 124       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 16:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 73.4   |           | 4.99 | mg/Kg |   |          | 10/09/21 22:05 | 1       |

Client Sample ID: S-27 3'

Lab Sample ID: 880-6758-74

Date Collected: 09/29/21 08:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 08:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 08:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-27 3'

Lab Sample ID: 880-6758-74

Date Collected: 09/29/21 08:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 16:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 110       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 16:47 | 1       |
| o-Terphenyl (Surr)                   | 135       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 16:47 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 63.0   |           | 5.04 | mg/Kg |   |          | 10/09/21 22:11 | 1       |

Client Sample ID: S-27 5'

Lab Sample ID: 880-6758-75

Date Collected: 09/29/21 08:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 131       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 08:40 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:09 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-27 5'

Lab Sample ID: 880-6758-75

Date Collected: 09/29/21 08:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:09 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 111       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 17:09 | 1       |
| o-Terphenyl (Surr)                | 139       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 17:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 50.8   |           | 4.98 | mg/Kg |   |          | 10/09/21 22:17 | 1       |

Client Sample ID: S-27 10'

Lab Sample ID: 880-6758-76

Date Collected: 09/29/21 08:38

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 74        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 09:01 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 17:32 | 1       |
| o-Terphenyl (Surr)                   | 131       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 17:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 26.6   |           | 4.99 | mg/Kg |   |          | 10/09/21 22:22 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-35 1'

Lab Sample ID: 880-6758-77

Date Collected: 09/29/21 08:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 09:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 09:21 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 17:53 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 107       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 17:53 | 1       |
| o-Terphenyl (Surr)    | 130       |           | 70 - 130 | 10/07/21 08:53 | 10/07/21 17:53 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.4   |           | 5.00 | mg/Kg |   |          | 10/09/21 22:28 | 1       |

Client Sample ID: S-35 3'

Lab Sample ID: 880-6758-78

Date Collected: 09/29/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 09:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 09:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 09:41 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-35 3'

Lab Sample ID: 880-6758-78

Date Collected: 09/29/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 126       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:15 | 1       |
| o-Terphenyl (Surr)                   | 151       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:15 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 127    |           | 5.04 | mg/Kg |   |          | 10/09/21 23:13 | 1       |

Client Sample ID: S-35 5'

Lab Sample ID: 880-6758-79

Date Collected: 09/29/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| m,p-Xylenes                 | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 134       | S1+       | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 10:02 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:37 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-35 5'

Lab Sample ID: 880-6758-79

Date Collected: 09/29/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:37 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 127       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:37 | 1       |
| o-Terphenyl (Surr)                | 155       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:37 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 85.8   |           | 4.98 | mg/Kg |   |          | 10/09/21 23:29 | 1       |

Client Sample ID: S-35 10'

Lab Sample ID: 880-6758-80

Date Collected: 09/29/21 08:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 73        |           | 70 - 130 |       |   | 10/04/21 14:32 | 10/10/21 10:22 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 18:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 102       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:59 | 1       |
| o-Terphenyl (Surr)                   | 124       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 18:59 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 35.1   |           | 4.95 | mg/Kg |   |          | 10/09/21 23:35 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-34 1'

Lab Sample ID: 880-6758-81

Date Collected: 09/29/21 09:21

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| Toluene        | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| Ethylbenzene   | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| m,p-Xylenes    | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| o-Xylene       | <0.00199 | U F1 F2   | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| Xylenes, Total | <0.00398 | U F1 F2   | 0.00398 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 134       | S1+       | 70 - 130 | 10/04/21 14:35 | 10/10/21 13:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 13:45 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 11:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 11:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 11:39 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 93        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 11:39 | 1       |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 11:39 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 11.8   |           | 5.02 | mg/Kg |   |          | 10/09/21 23:41 | 1       |

Client Sample ID: S-34 3'

Lab Sample ID: 880-6758-82

Date Collected: 09/29/21 09:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 | 10/04/21 14:35 | 10/10/21 14:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 14:05 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-34 3'

Lab Sample ID: 880-6758-82

Date Collected: 09/29/21 09:22

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 12:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 12:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 12:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 87        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 12:43 | 1       |
| o-Terphenyl (Surr)                   | 100       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 12:43 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 8.39   |           | 4.97 | mg/Kg |   |          | 10/09/21 23:46 | 1       |

Client Sample ID: S-34 5'

Lab Sample ID: 880-6758-83

Date Collected: 09/29/21 09:23

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 67        | S1-       | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 14:26 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:05 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-34 5'

Lab Sample ID: 880-6758-83

Date Collected: 09/29/21 09:23

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:05 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 90        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 13:05 | 1       |
| o-Terphenyl (Surr)                | 103       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 13:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.5   |           | 4.95 | mg/Kg |   |          | 10/10/21 00:03 | 1       |

Client Sample ID: S-34 10'

Lab Sample ID: 880-6758-84

Date Collected: 09/29/21 09:24

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 14:46 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 13:26 | 1       |
| o-Terphenyl (Surr)                   | 106       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 13:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 17.7   |           | 4.99 | mg/Kg |   |          | 10/10/21 00:09 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-36 1'

Lab Sample ID: 880-6758-85

Date Collected: 09/29/21 09:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 | 10/04/21 14:35 | 10/10/21 15:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 15:07 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 13:48 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 88        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 13:48 | 1       |
| o-Terphenyl (Surr)    | 99        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 13:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 16.8   |           | 4.96 | mg/Kg |   |          | 10/10/21 00:14 | 1       |

Client Sample ID: S-36 3'

Lab Sample ID: 880-6758-86

Date Collected: 09/29/21 09:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 15:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 70        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 15:27 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-36 3'

Lab Sample ID: 880-6758-86

Date Collected: 09/29/21 09:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 91        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:10 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:10 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 65.3   |           | 4.96 | mg/Kg |   |          | 10/10/21 00:20 | 1       |

Client Sample ID: S-36 5'

Lab Sample ID: 880-6758-87

Date Collected: 09/29/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 15:47 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:31 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-36 5'

Lab Sample ID: 880-6758-87

Date Collected: 09/29/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:31 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 89        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:31 | 1       |
| o-Terphenyl (Surr)                | 102       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:31 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 31.5   |           | 5.02 | mg/Kg |   |          | 10/10/21 00:25 | 1       |

Client Sample ID: S-36 10'

Lab Sample ID: 880-6758-88

Date Collected: 09/29/21 09:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 16:08 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 14:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 97        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:53 | 1       |
| o-Terphenyl (Surr)                   | 109       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 14:53 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 18.7   |           | 4.98 | mg/Kg |   |          | 10/10/21 00:31 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-37 1'

Lab Sample ID: 880-6758-89

Date Collected: 09/29/21 10:15

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 16:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 16:28 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:03 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:14 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 94        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 15:14 | 1       |
| o-Terphenyl (Surr)    | 103       |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 15:14 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 42.3   |           | 5.04 | mg/Kg |   |          | 10/10/21 00:48 | 1       |

Client Sample ID: S-37 3'

Lab Sample ID: 880-6758-90

Date Collected: 09/29/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 16:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 | 10/04/21 14:35 | 10/10/21 16:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 16:49 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-37 3'

Lab Sample ID: 880-6758-90

Date Collected: 09/29/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 15:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 15:36 | 1       |
| o-Terphenyl (Surr)                   | 111       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 15:36 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 69.5   |           | 4.97 | mg/Kg |   |          | 10/10/21 00:54 | 1       |

Client Sample ID: S-37 5'

Lab Sample ID: 880-6758-91

Date Collected: 09/29/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 18:11 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-37 5'

Lab Sample ID: 880-6758-91

Date Collected: 09/29/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:20 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 97        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 16:20 | 1       |
| o-Terphenyl (Surr)                | 110       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 16:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 38.4   |           | 4.95 | mg/Kg |   |          | 10/10/21 01:11 | 1       |

Client Sample ID: S-37 10'

Lab Sample ID: 880-6758-92

Date Collected: 09/29/21 10:18

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 18:31 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 16:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 94        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 16:42 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 16:42 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 41.2   |           | 4.99 | mg/Kg |   |          | 10/10/21 01:16 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-19 1'

Lab Sample ID: 880-6758-93

Date Collected: 09/29/21 10:34

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 18:52 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 18:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 18:52 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 109    |           | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:05 | 1       |
| Diesel Range Organics (Over C10-C28) | 109    |           | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:05 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 96        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 17:05 | 1       |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 17:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 672    |           | 4.98 | mg/Kg |   |          | 10/10/21 01:22 | 1       |

Client Sample ID: S-19 3'

Lab Sample ID: 880-6758-94

Date Collected: 09/29/21 10:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 135       | S1+       | 70 - 130 | 10/04/21 14:35 | 10/10/21 19:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 19:12 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-19 3'

Lab Sample ID: 880-6758-94

Date Collected: 09/29/21 10:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 17:27 | 1       |
| o-Terphenyl (Surr)                   | 105       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 17:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 676    |           | 4.95 | mg/Kg |   |          | 10/10/21 01:27 | 1       |

Client Sample ID: S-19 5'

Lab Sample ID: 880-6758-95

Date Collected: 09/29/21 10:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 19:33 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:49 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-19 5'

Lab Sample ID: 880-6758-95

Date Collected: 09/29/21 10:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 17:49 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 92        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 17:49 | 1       |
| o-Terphenyl (Surr)                | 104       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 17:49 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 113    |           | 4.95 | mg/Kg |   |          | 10/10/21 01:33 | 1       |

Client Sample ID: S-19 10'

Lab Sample ID: 880-6758-96

Date Collected: 09/29/21 10:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 19:53 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 18:11 | 1       |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 18:11 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 45.4   |           | 5.00 | mg/Kg |   |          | 10/10/21 01:39 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-20 1'

Lab Sample ID: 880-6758-97

Date Collected: 09/29/21 10:55

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 20:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 20:13 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:33 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 18:33 | 1       |
| o-Terphenyl (Surr)    | 110       |           | 70 - 130 | 10/07/21 10:23 | 10/09/21 18:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1930   |           | 25.2 | mg/Kg |   |          | 10/10/21 01:44 | 5       |

Client Sample ID: S-20 3'

Lab Sample ID: 880-6758-98

Date Collected: 09/29/21 10:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 20:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 10/04/21 14:35 | 10/10/21 20:34 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-20 3'

Lab Sample ID: 880-6758-98

Date Collected: 09/29/21 10:56

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 18:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 18:56 | 1       |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 18:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 644    |           | 4.99 | mg/Kg |   |          | 10/09/21 14:04 | 1       |

Client Sample ID: S-20 5'

Lab Sample ID: 880-6758-99

Date Collected: 09/29/21 10:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 20:54 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:18 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-20 5'

Lab Sample ID: 880-6758-99

Date Collected: 09/29/21 10:57

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:18 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 93        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 19:18 | 1       |
| o-Terphenyl (Surr)                | 106       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 19:18 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 578    |           | 5.04 | mg/Kg |   |          | 10/09/21 14:25 | 1       |

Client Sample ID: S-20 10'

Lab Sample ID: 880-6758-100

Date Collected: 09/29/21 10:58

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 70        |           | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 21:15 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:24 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 19:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 19:40 | 1       |
| o-Terphenyl (Surr)                   | 112       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 19:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 117    |           | 4.98 | mg/Kg |   |          | 10/09/21 14:32 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-21 1'

Lab Sample ID: 880-6758-101

Date Collected: 09/29/21 11:10

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| Toluene        | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| Ethylbenzene   | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| m,p-Xylenes    | <0.00399 | U F1      | 0.00399 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| o-Xylene       | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| Xylenes, Total | <0.00399 | U F1      | 0.00399 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 01:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 01:14 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 11:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 11:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 11:39 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 102       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 11:39 | 1       |
| o-Terphenyl (Surr)    | 108       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 11:39 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 219    |           | 4.95 | mg/Kg |   |          | 10/09/21 14:40 | 1       |

Client Sample ID: S-21 3'

Lab Sample ID: 880-6758-102

Date Collected: 09/29/21 11:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 01:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 01:34 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-21 3'

Lab Sample ID: 880-6758-102

Date Collected: 09/29/21 11:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 12:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 12:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 12:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 100       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 12:43 | 1       |
| o-Terphenyl (Surr)                   | 105       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 12:43 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 249    |           | 5.02 | mg/Kg |   |          | 10/09/21 14:47 | 1       |

Client Sample ID: S-21 5'

Lab Sample ID: 880-6758-103

Date Collected: 09/29/21 11:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 10/04/21 14:37 | 10/10/21 01:55 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:05 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-21 5'

Lab Sample ID: 880-6758-103

Date Collected: 09/29/21 11:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:05 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 102       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 13:05 | 1       |
| o-Terphenyl (Surr)                | 109       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 13:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 23.8   |           | 4.97 | mg/Kg |   |          | 10/09/21 15:08 | 1       |

Client Sample ID: S-21 10'

Lab Sample ID: 880-6758-104

Date Collected: 09/29/21 11:13

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |       |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 127       |           | 70 - 130 |       |   | 10/04/21 14:37 | 10/10/21 02:16 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 96        |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 13:26 | 1       |
| o-Terphenyl (Surr)                   | 101       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 13:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 63.2   |           | 4.95 | mg/Kg |   |          | 10/09/21 15:15 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-22 1'

Lab Sample ID: 880-6758-105

Date Collected: 09/29/21 12:10

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 02:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 02:36 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 13:48 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 13:48 | 1       |
| o-Terphenyl (Surr)    | 104       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 13:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1740   |           | 24.8 | mg/Kg |   |          | 10/11/21 09:40 | 5       |

Client Sample ID: S-22 3'

Lab Sample ID: 880-6758-106

Date Collected: 09/29/21 12:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 02:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 02:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 02:57 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-22 3'

Lab Sample ID: 880-6758-106

Date Collected: 09/29/21 12:11

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 119       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:10 | 1       |
| o-Terphenyl (Surr)                   | 124       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:10 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 22.7   |           | 5.01 | mg/Kg |   |          | 10/11/21 09:33 | 1       |

Client Sample ID: S-22 5'

Lab Sample ID: 880-6758-107

Date Collected: 09/29/21 12:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 03:18 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:31 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-22 5'

Lab Sample ID: 880-6758-107

Date Collected: 09/29/21 12:12

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:31 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 122       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:31 | 1       |
| o-Terphenyl (Surr)                | 129       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:31 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 14.1   |           | 4.97 | mg/Kg |   |          | 10/09/21 15:31 | 1       |

Client Sample ID: S-22 10'

Lab Sample ID: 880-6758-108

Date Collected: 09/29/21 12:13

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| m,p-Xylenes                 | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 03:38 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 14:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 101       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:53 | 1       |
| o-Terphenyl (Surr)                   | 108       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 14:53 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 19.0   |           | 4.98 | mg/Kg |   |          | 10/09/21 15:38 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-31 1'

Lab Sample ID: 880-6758-109

Date Collected: 09/29/21 12:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 03:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 03:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 03:59 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:14 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 15:14 | 1       |
| o-Terphenyl (Surr)    | 105       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 15:14 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 823    |           | 5.02 | mg/Kg |   |          | 10/09/21 15:59 | 1       |

Client Sample ID: S-31 3'

Lab Sample ID: 880-6758-110

Date Collected: 09/29/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| m,p-Xylenes    | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| Xylenes, Total | <0.00404 | U         | 0.00404 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 04:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 04:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 04:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-31 3'

Lab Sample ID: 880-6758-110

Date Collected: 09/29/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 15:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 15:36 | 1       |
| o-Terphenyl (Surr)                   | 123       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 15:36 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2320   |           | 24.9 | mg/Kg |   |          | 10/09/21 16:07 | 5       |

Client Sample ID: S-31 5'

Lab Sample ID: 880-6758-111

Date Collected: 09/29/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 05:42 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-31 5'

Lab Sample ID: 880-6758-111

Date Collected: 09/29/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:20 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 117       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 16:20 | 1       |
| o-Terphenyl (Surr)                | 120       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 16:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 253    |           | 4.99 | mg/Kg |   |          | 10/09/21 16:28 | 1       |

Client Sample ID: S-31 10'

Lab Sample ID: 880-6758-112

Date Collected: 09/29/21 12:38

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 06:03 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 16:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 16:42 | 1       |
| o-Terphenyl (Surr)                   | 118       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 16:42 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 34.7   |           | 4.95 | mg/Kg |   |          | 10/09/21 16:35 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-32 1'

Lab Sample ID: 880-6758-113

Date Collected: 09/29/21 13:00

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 06:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 06:23 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:05 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 109       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 17:05 | 1       |
| o-Terphenyl (Surr)    | 110       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 17:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 547    |           | 4.95 | mg/Kg |   |          | 10/09/21 16:42 | 1       |

Client Sample ID: S-32 3'

Lab Sample ID: 880-6758-114

Date Collected: 09/29/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 06:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 06:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 06:44 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-32 3'

Lab Sample ID: 880-6758-114

Date Collected: 09/29/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 17:27 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 17:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 206    |           | 5.04 | mg/Kg |   |          | 10/09/21 16:49 | 1       |

Client Sample ID: S-32 5'

Lab Sample ID: 880-6758-115

Date Collected: 09/29/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 07:05 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:49 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-32 5'

Lab Sample ID: 880-6758-115

Date Collected: 09/29/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 17:49 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 119       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 17:49 | 1       |
| o-Terphenyl (Surr)                | 121       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 17:49 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 116    |           | 4.97 | mg/Kg |   |          | 10/09/21 16:57 | 1       |

Client Sample ID: S-32 10'

Lab Sample ID: 880-6758-116

Date Collected: 09/29/21 13:03

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 07:26 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 18:11 | 1       |
| o-Terphenyl (Surr)                   | 111       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 18:11 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 24.2   |           | 4.99 | mg/Kg |   |          | 10/09/21 17:04 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-29 1'

Lab Sample ID: 880-6758-117

Date Collected: 09/29/21 13:15

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 07:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 07:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 07:46 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:33 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 101       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 18:33 | 1       |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 | 10/07/21 10:35 | 10/09/21 18:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 196    |           | 4.95 | mg/Kg |   |          | 10/09/21 17:11 | 1       |

Client Sample ID: S-29 3'

Lab Sample ID: 880-6758-118

Date Collected: 09/29/21 13:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 08:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 10/04/21 14:38 | 10/10/21 08:07 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-29 3'

Lab Sample ID: 880-6758-118

Date Collected: 09/29/21 13:16

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 18:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 18:56 | 1       |
| o-Terphenyl (Surr)                   | 122       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 18:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 103    |           | 4.96 | mg/Kg |   |          | 10/09/21 18:08 | 1       |

Client Sample ID: S-29 5'

Lab Sample ID: 880-6758-119

Date Collected: 09/29/21 13:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 08:28 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:18 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-29 5'

Lab Sample ID: 880-6758-119

Date Collected: 09/29/21 13:17

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:18 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 118       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 19:18 | 1       |
| o-Terphenyl (Surr)                | 121       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 19:18 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 21.2   |           | 5.04 | mg/Kg |   |          | 10/09/21 18:30 | 1       |

Client Sample ID: S-29 10'

Lab Sample ID: 880-6758-120

Date Collected: 09/29/21 13:18

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 |       |   | 10/04/21 14:38 | 10/10/21 08:49 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 19:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 127       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 19:40 | 1       |
| o-Terphenyl (Surr)                   | 126       |           | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 19:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 8.79   |           | 4.99 | mg/Kg |   |          | 10/09/21 18:37 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-30 1'

Lab Sample ID: 880-6758-121

Date Collected: 09/29/21 13:35

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| Toluene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| Ethylbenzene   | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| m,p-Xylenes    | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| o-Xylene       | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| Xylenes, Total | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 12:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 70        |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 12:14 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:04 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 94        |           | 70 - 130 | 10/08/21 08:25 | 10/08/21 16:04 | 1       |
| o-Terphenyl (Surr)    | 102       |           | 70 - 130 | 10/08/21 08:25 | 10/08/21 16:04 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 587    |           | 4.97 | mg/Kg |   |          | 10/09/21 18:44 | 1       |

Client Sample ID: S-30 3'

Lab Sample ID: 880-6758-122

Date Collected: 09/29/21 13:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 12:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 12:35 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-30 3'

Lab Sample ID: 880-6758-122

Date Collected: 09/29/21 13:36

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 99        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 16:26 | 1       |
| o-Terphenyl (Surr)                   | 107       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 16:26 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1490   |           | 24.8 | mg/Kg |   |          | 10/11/21 10:08 | 5       |

Client Sample ID: S-30 5'

Lab Sample ID: 880-6758-123

Date Collected: 09/29/21 13:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 12:56 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:48 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-30 5'

Lab Sample ID: 880-6758-123

Date Collected: 09/29/21 13:37

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 16:48 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 98        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 16:48 | 1       |
| o-Terphenyl (Surr)                | 109       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 16:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 456    |           | 5.05 | mg/Kg |   |          | 10/09/21 19:13 | 1       |

Client Sample ID: S-30 10'

Lab Sample ID: 880-6758-124

Date Collected: 09/29/21 13:38

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 13:17 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 95        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 17:11 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 17:11 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 231    |           | 4.98 | mg/Kg |   |          | 10/09/21 19:20 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-33 1'

Lab Sample ID: 880-6758-125

Date Collected: 09/29/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:38 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 13:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 13:38 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 17:33 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 95        |           | 70 - 130 | 10/08/21 08:25 | 10/08/21 17:33 | 1       |
| o-Terphenyl (Surr)    | 102       |           | 70 - 130 | 10/08/21 08:25 | 10/08/21 17:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.7   |           | 4.95 | mg/Kg |   |          | 10/09/21 19:27 | 1       |

Client Sample ID: S-33 3'

Lab Sample ID: 880-6758-126

Date Collected: 09/29/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 13:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 13:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 13:58 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-33 3'

Lab Sample ID: 880-6758-126

Date Collected: 09/29/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 18:18 | 1       |
| o-Terphenyl (Surr)                   | 105       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 18:18 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 53.8   |           | 4.99 | mg/Kg |   |          | 10/09/21 19:34 | 1       |

Client Sample ID: S-33 5'

Lab Sample ID: 880-6758-127

Date Collected: 09/29/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 126       |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 14:19 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:40 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-33 5'

Lab Sample ID: 880-6758-127

Date Collected: 09/29/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 18:40 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 99        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 18:40 | 1       |
| o-Terphenyl (Surr)                | 107       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 18:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 63.7   |           | 4.98 | mg/Kg |   |          | 10/09/21 19:41 | 1       |

Client Sample ID: S-33 10'

Lab Sample ID: 880-6758-128

Date Collected: 09/29/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 14:40 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 95        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 19:01 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 19:01 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 26.3   |           | 4.95 | mg/Kg |   |          | 10/09/21 19:49 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-26 1'

Lab Sample ID: 880-6758-129

Date Collected: 09/29/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 15:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 15:01 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 60.9   |           | 49.8 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 60.9      |           | 49.8     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 19:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 97        |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 19:23 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 19:23 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 22.8   |           | 5.02 | mg/Kg |   |          | 10/09/21 20:10 | 1       |

Client Sample ID: S-26 3'

Lab Sample ID: 880-6758-130

Date Collected: 09/29/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/04/21 14:40 | 10/10/21 15:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 15:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/04/21 14:40 | 10/10/21 15:21 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-26 3'

Lab Sample ID: 880-6758-130

Date Collected: 09/29/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 121       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:02 | 1       |
| o-Terphenyl (Surr)                   | 123       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 31.5   |           | 4.98 | mg/Kg |   |          | 10/09/21 20:17 | 1       |

Client Sample ID: S-26 5'

Lab Sample ID: 880-6758-131

Date Collected: 09/29/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 16:44 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:24 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-26 5'

Lab Sample ID: 880-6758-131

Date Collected: 09/29/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:24 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 96        |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:24 | 1       |
| o-Terphenyl (Surr)                | 102       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:24 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 25.8   |           | 4.97 | mg/Kg |   |          | 10/09/21 20:39 | 1       |

Client Sample ID: S-26 10'

Lab Sample ID: 880-6758-132

Date Collected: 09/29/21 14:08

Matrix: Solid

Date Received: 10/04/21 10:23

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 17:05 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/11/21 10:32 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/07/21 09:11 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 19:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 115       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:46 | 1       |
| o-Terphenyl (Surr)                   | 118       |           | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 19:46 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 78.2   |           | 5.00 | mg/Kg |   |          | 10/09/21 20:46 | 1       |

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## Surrogate Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
|                 |                  | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-6758-1      | S-1 1'           | 143 S1+                                        | 145 S1+           |
| 880-6758-1 MS   | S-1 1'           | 90                                             | 87                |
| 880-6758-1 MSD  | S-1 1'           | 97                                             | 93                |
| 880-6758-2      | S-1 3'           | 105                                            | 105               |
| 880-6758-3      | S-1 5'           | 117                                            | 128               |
| 880-6758-4      | S-1 10'          | 79                                             | 80                |
| 880-6758-5      | S-2 1'           | 100                                            | 88                |
| 880-6758-6      | S-2 3'           | 91                                             | 83                |
| 880-6758-7      | S-2 5'           | 90                                             | 80                |
| 880-6758-8      | S-2 10'          | 82                                             | 102               |
| 880-6758-9      | S-3 1'           | 73                                             | 123               |
| 880-6758-10     | S-3 3'           | 91                                             | 102               |
| 880-6758-11     | S-3 5'           | 78                                             | 82                |
| 880-6758-12     | S-3 10'          | 109                                            | 100               |
| 880-6758-13     | S-4 1'           | 104                                            | 88                |
| 880-6758-14     | S-4 3'           | 101                                            | 103               |
| 880-6758-15     | S-4 5'           | 96                                             | 89                |
| 880-6758-16     | S-4 10'          | 85                                             | 104               |
| 880-6758-17     | S-5 1'           | 133 S1+                                        | 121               |
| 880-6758-18     | S-5 3'           | 95                                             | 97                |
| 880-6758-19     | S-5 5'           | 217 S1+                                        | 111               |
| 880-6758-20     | S-5 10'          | 86                                             | 99                |
| 880-6758-21     | S-6 1'           | 98                                             | 118               |
| 880-6758-21 MS  | S-6 1'           | 128                                            | 113               |
| 880-6758-21 MSD | S-6 1'           | 120                                            | 77                |
| 880-6758-22     | S-6 3'           | 129                                            | 87                |
| 880-6758-23     | S-6 5'           | 102                                            | 105               |
| 880-6758-24     | S-6 10'          | 96                                             | 100               |
| 880-6758-25     | S-7 1'           | 93                                             | 84                |
| 880-6758-26     | S-7 3'           | 75                                             | 117               |
| 880-6758-27     | S-7 5'           | 1 S1-                                          | 103               |
| 880-6758-28     | S-7 10'          | 95                                             | 91                |
| 880-6758-29     | S-8 1'           | 189 S1+                                        | 109               |
| 880-6758-30     | S-8 3'           | 75                                             | 95                |
| 880-6758-31     | S-8 5'           | 84                                             | 86                |
| 880-6758-32     | S-8 10'          | 102                                            | 106               |
| 880-6758-33     | S-9 1'           | 94                                             | 103               |
| 880-6758-34     | S-9 3'           | 146 S1+                                        | 121               |
| 880-6758-35     | S-9 5'           | 82                                             | 121               |
| 880-6758-36     | S-9 10'          | 132 S1+                                        | 118               |
| 880-6758-37     | S-10 1'          | 103                                            | 94                |
| 880-6758-38     | S-10 3'          | 107                                            | 107               |
| 880-6758-39     | S-10 5'          | 85                                             | 94                |
| 880-6758-40     | S-10 10'         | 101                                            | 92                |
| 880-6758-41     | S-11 1'          | 69 S1-                                         | 87                |
| 880-6758-41 MS  | S-11 1'          | 74                                             | 82                |
| 880-6758-41 MSD | S-11 1'          | 90                                             | 104               |
| 880-6758-42     | S-11 3'          | 88                                             | 94                |
| 880-6758-43     | S-11 5'          | 108                                            | 92                |

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## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
|                 |                  | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-6758-44     | S-11 10'         | 84                                             | 92                |
| 880-6758-45     | S-12 1'          | 103                                            | 118               |
| 880-6758-46     | S-12 3'          | 112                                            | 103               |
| 880-6758-47     | S-12 5'          | 120                                            | 91                |
| 880-6758-48     | S-12 10'         | 95                                             | 106               |
| 880-6758-49     | S-13 1'          | 86                                             | 113               |
| 880-6758-50     | S-13 3'          | 107                                            | 90                |
| 880-6758-51     | S-13 5'          | 92                                             | 90                |
| 880-6758-52     | S-13 10'         | 76                                             | 79                |
| 880-6758-53     | S-14 1'          | 124                                            | 106               |
| 880-6758-54     | S-14 3'          | 81                                             | 85                |
| 880-6758-55     | S-14 5'          | 100                                            | 88                |
| 880-6758-56     | S-14 10'         | 88                                             | 104               |
| 880-6758-57     | S-15 1'          | 100                                            | 104               |
| 880-6758-58     | S-15 3'          | 81                                             | 89                |
| 880-6758-59     | S-15 5'          | 109                                            | 74                |
| 880-6758-60     | S-15 10'         | 100                                            | 100               |
| 880-6758-61     | S-16 1'          | 130                                            | 71                |
| 880-6758-61 MS  | S-16 1'          | 128                                            | 78                |
| 880-6758-61 MSD | S-16 1'          | 146 S1+                                        | 65 S1-            |
| 880-6758-62     | S-16 3'          | 128                                            | 80                |
| 880-6758-63     | S-16 5'          | 154 S1+                                        | 74                |
| 880-6758-64     | S-16 10'         | 145 S1+                                        | 76                |
| 880-6758-65     | S-17 1'          | 118                                            | 80                |
| 880-6758-66     | S-17 3'          | 121                                            | 80                |
| 880-6758-67     | S-17 5'          | 140 S1+                                        | 83                |
| 880-6758-68     | S-17 10'         | 139 S1+                                        | 75                |
| 880-6758-69     | S-18 1'          | 114                                            | 79                |
| 880-6758-70     | S-18 3'          | 155 S1+                                        | 82                |
| 880-6758-71     | S-18 5'          | 129                                            | 77                |
| 880-6758-72     | S-18 10'         | 120                                            | 77                |
| 880-6758-73     | S-27 1'          | 108                                            | 80                |
| 880-6758-74     | S-27 3'          | 114                                            | 81                |
| 880-6758-75     | S-27 5'          | 131 S1+                                        | 76                |
| 880-6758-76     | S-27 10'         | 133 S1+                                        | 74                |
| 880-6758-77     | S-35 1'          | 110                                            | 78                |
| 880-6758-78     | S-35 3'          | 126                                            | 75                |
| 880-6758-79     | S-35 5'          | 134 S1+                                        | 78                |
| 880-6758-80     | S-35 10'         | 130                                            | 73                |
| 880-6758-81     | S-34 1'          | 134 S1+                                        | 78                |
| 880-6758-81 MS  | S-34 1'          | 123                                            | 81                |
| 880-6758-81 MSD | S-34 1'          | 128                                            | 82                |
| 880-6758-82     | S-34 3'          | 132 S1+                                        | 77                |
| 880-6758-83     | S-34 5'          | 120                                            | 67 S1-            |
| 880-6758-84     | S-34 10'         | 132 S1+                                        | 78                |
| 880-6758-85     | S-36 1'          | 137 S1+                                        | 79                |
| 880-6758-86     | S-36 3'          | 121                                            | 70                |
| 880-6758-87     | S-36 5'          | 137 S1+                                        | 77                |
| 880-6758-88     | S-36 10'         | 126                                            | 75                |
| 880-6758-89     | S-37 1'          | 119                                            | 80                |

Eurofins Xenco, Midland

## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                  |                    | Percent Surrogate Recovery (Acceptance Limits) |                   |
|------------------|--------------------|------------------------------------------------|-------------------|
| Lab Sample ID    | Client Sample ID   | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-6758-90      | S-37 3'            | 133 S1+                                        | 75                |
| 880-6758-91      | S-37 5'            | 137 S1+                                        | 79                |
| 880-6758-92      | S-37 10'           | 127                                            | 80                |
| 880-6758-93      | S-19 1'            | 128                                            | 83                |
| 880-6758-94      | S-19 3'            | 135 S1+                                        | 82                |
| 880-6758-95      | S-19 5'            | 147 S1+                                        | 79                |
| 880-6758-96      | S-19 10'           | 126                                            | 79                |
| 880-6758-97      | S-20 1'            | 121                                            | 81                |
| 880-6758-98      | S-20 3'            | 128                                            | 79                |
| 880-6758-99      | S-20 5'            | 111                                            | 83                |
| 880-6758-100     | S-20 10'           | 126                                            | 70                |
| 880-6758-101     | S-21 1'            | 101                                            | 96                |
| 880-6758-101 MS  | S-21 1'            | 106                                            | 108               |
| 880-6758-101 MSD | S-21 1'            | 75                                             | 96                |
| 880-6758-102     | S-21 3'            | 82                                             | 78                |
| 880-6758-103     | S-21 5'            | 96                                             | 92                |
| 880-6758-104     | S-21 10'           | 132 S1+                                        | 127               |
| 880-6758-105     | S-22 1'            | 104                                            | 99                |
| 880-6758-106     | S-22 3'            | 95                                             | 108               |
| 880-6758-107     | S-22 5'            | 96                                             | 98                |
| 880-6758-108     | S-22 10'           | 103                                            | 90                |
| 880-6758-109     | S-31 1'            | 92                                             | 118               |
| 880-6758-110     | S-31 3'            | 104                                            | 105               |
| 880-6758-111     | S-31 5'            | 82                                             | 89                |
| 880-6758-112     | S-31 10'           | 90                                             | 95                |
| 880-6758-113     | S-32 1'            | 99                                             | 108               |
| 880-6758-114     | S-32 3'            | 93                                             | 100               |
| 880-6758-115     | S-32 5'            | 92                                             | 78                |
| 880-6758-116     | S-32 10'           | 96                                             | 115               |
| 880-6758-117     | S-29 1'            | 94                                             | 96                |
| 880-6758-118     | S-29 3'            | 114                                            | 106               |
| 880-6758-119     | S-29 5'            | 89                                             | 97                |
| 880-6758-120     | S-29 10'           | 95                                             | 107               |
| 880-6758-121     | S-30 1'            | 127                                            | 70                |
| 880-6758-121 MS  | S-30 1'            | 116                                            | 109               |
| 880-6758-121 MSD | S-30 1'            | 99                                             | 100               |
| 880-6758-122     | S-30 3'            | 92                                             | 97                |
| 880-6758-123     | S-30 5'            | 91                                             | 106               |
| 880-6758-124     | S-30 10'           | 94                                             | 86                |
| 880-6758-125     | S-33 1'            | 86                                             | 105               |
| 880-6758-126     | S-33 3'            | 124                                            | 103               |
| 880-6758-127     | S-33 5'            | 95                                             | 126               |
| 880-6758-128     | S-33 10'           | 85                                             | 106               |
| 880-6758-129     | S-26 1'            | 116                                            | 103               |
| 880-6758-130     | S-26 3'            | 89                                             | 103               |
| 880-6758-131     | S-26 5'            | 139 S1+                                        | 117               |
| 880-6758-132     | S-26 10'           | 92                                             | 101               |
| LCS 880-8844/1-A | Lab Control Sample | 91                                             | 89                |
| LCS 880-8846/1-A | Lab Control Sample | 96                                             | 72                |
| LCS 880-8847/1-A | Lab Control Sample | 87                                             | 74                |

Eurofins Xenco, Midland

## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| LCS 880-8850/1-A  | Lab Control Sample     | 119                                            | 81                |
| LCS 880-8852/1-A  | Lab Control Sample     | 118                                            | 81                |
| LCS 880-8853/1-A  | Lab Control Sample     | 89                                             | 104               |
| LCS 880-8854/1-A  | Lab Control Sample     | 99                                             | 111               |
| LCSD 880-8844/2-A | Lab Control Sample Dup | 90                                             | 110               |
| LCSD 880-8846/2-A | Lab Control Sample Dup | 92                                             | 79                |
| LCSD 880-8847/2-A | Lab Control Sample Dup | 85                                             | 77                |
| LCSD 880-8850/2-A | Lab Control Sample Dup | 123                                            | 78                |
| LCSD 880-8852/2-A | Lab Control Sample Dup | 112                                            | 82                |
| LCSD 880-8853/2-A | Lab Control Sample Dup | 95                                             | 91                |
| LCSD 880-8854/2-A | Lab Control Sample Dup | 104                                            | 110               |
| MB 880-8844/5-A   | Method Blank           | 94                                             | 79                |
| MB 880-8846/5-A   | Method Blank           | 127                                            | 113               |
| MB 880-8847/5-A   | Method Blank           | 92                                             | 109               |
| MB 880-8850/5-A   | Method Blank           | 108                                            | 80                |
| MB 880-8852/5-A   | Method Blank           | 108                                            | 76                |
| MB 880-8853/5-A   | Method Blank           | 111                                            | 120               |
| MB 880-8854/5-A   | Method Blank           | 103                                            | 85                |
| MB 880-8974/5-A   | Method Blank           | 113                                            | 78                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                     |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-6735-A-41-F MS  | Matrix Spike           | 104                                            | 99                |
| 880-6735-A-41-G MSD | Matrix Spike Duplicate | 105                                            | 101               |
| 880-6758-1          | S-1 1'                 | 100                                            | 107               |
| 880-6758-2          | S-1 3'                 | 119                                            | 122               |
| 880-6758-3          | S-1 5'                 | 108                                            | 111               |
| 880-6758-4          | S-1 10'                | 96                                             | 100               |
| 880-6758-5          | S-2 1'                 | 101                                            | 108               |
| 880-6758-6          | S-2 3'                 | 116                                            | 122               |
| 880-6758-7          | S-2 5'                 | 120                                            | 125               |
| 880-6758-8          | S-2 10'                | 102                                            | 108               |
| 880-6758-9          | S-3 1'                 | 102                                            | 107               |
| 880-6758-9 MS       | S-3 1'                 | 94                                             | 85                |
| 880-6758-9 MSD      | S-3 1'                 | 106                                            | 100               |
| 880-6758-10         | S-3 3'                 | 91                                             | 98                |
| 880-6758-11         | S-3 5'                 | 96                                             | 102               |
| 880-6758-12         | S-3 10'                | 88                                             | 91                |
| 880-6758-13         | S-4 1'                 | 98                                             | 101               |
| 880-6758-14         | S-4 3'                 | 90                                             | 95                |
| 880-6758-15         | S-4 5'                 | 86                                             | 93                |
| 880-6758-16         | S-4 10'                | 95                                             | 102               |
| 880-6758-17         | S-5 1'                 | 97                                             | 100               |

Eurofins Xenco, Midland

## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                 |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID   | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-6758-18     | S-5 3'           | 92                                             | 96                |
| 880-6758-19     | S-5 5'           | 95                                             | 101               |
| 880-6758-20     | S-5 10'          | 99                                             | 98                |
| 880-6758-21     | S-6 1'           | 93                                             | 96                |
| 880-6758-22     | S-6 3'           | 92                                             | 93                |
| 880-6758-22 MS  | S-6 3'           | 98                                             | 95                |
| 880-6758-22 MSD | S-6 3'           | 100                                            | 89                |
| 880-6758-23     | S-6 5'           | 88                                             | 90                |
| 880-6758-24     | S-6 10'          | 96                                             | 97                |
| 880-6758-25     | S-7 1'           | 95                                             | 94                |
| 880-6758-26     | S-7 3'           | 101                                            | 109               |
| 880-6758-27     | S-7 5'           | 104                                            | 111               |
| 880-6758-28     | S-7 10'          | 94                                             | 106               |
| 880-6758-29     | S-8 1'           | 104                                            | 121               |
| 880-6758-30     | S-8 3'           | 102                                            | 119               |
| 880-6758-31     | S-8 5'           | 112                                            | 120               |
| 880-6758-32     | S-8 10'          | 108                                            | 119               |
| 880-6758-33     | S-9 1'           | 82                                             | 88                |
| 880-6758-34     | S-9 3'           | 91                                             | 98                |
| 880-6758-35     | S-9 5'           | 91                                             | 96                |
| 880-6758-36     | S-9 10'          | 99                                             | 103               |
| 880-6758-37     | S-10 1'          | 121                                            | 123               |
| 880-6758-38     | S-10 3'          | 93                                             | 94                |
| 880-6758-39     | S-10 5'          | 98                                             | 102               |
| 880-6758-40     | S-10 10'         | 101                                            | 115               |
| 880-6758-41     | S-11 1'          | 84                                             | 97                |
| 880-6758-41 MS  | S-11 1'          | 92                                             | 96                |
| 880-6758-41 MSD | S-11 1'          | 85                                             | 94                |
| 880-6758-42     | S-11 3'          | 79                                             | 92                |
| 880-6758-43     | S-11 5'          | 81                                             | 91                |
| 880-6758-44     | S-11 10'         | 93                                             | 106               |
| 880-6758-45     | S-12 1'          | 78                                             | 88                |
| 880-6758-46     | S-12 3'          | 80                                             | 91                |
| 880-6758-47     | S-12 5'          | 96                                             | 109               |
| 880-6758-48     | S-12 10'         | 79                                             | 96                |
| 880-6758-49     | S-13 1'          | 82                                             | 96                |
| 880-6758-50     | S-13 3'          | 83                                             | 94                |
| 880-6758-51     | S-13 5'          | 85                                             | 100               |
| 880-6758-52     | S-13 10'         | 81                                             | 94                |
| 880-6758-53     | S-14 1'          | 102                                            | 118               |
| 880-6758-54     | S-14 3'          | 89                                             | 101               |
| 880-6758-55     | S-14 5'          | 100                                            | 110               |
| 880-6758-56     | S-14 10'         | 81                                             | 94                |
| 880-6758-57     | S-15 1'          | 84                                             | 99                |
| 880-6758-58     | S-15 3'          | 84                                             | 96                |
| 880-6758-59     | S-15 5'          | 97                                             | 112               |
| 880-6758-60     | S-15 10'         | 80                                             | 89                |
| 880-6758-61     | S-16 1'          | 113                                            | 132 S1+           |
| 880-6758-61 MS  | S-16 1'          | 117                                            | 122               |
| 880-6758-61 MSD | S-16 1'          | 118                                            | 122               |

Eurofins Xenco, Midland

## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                  |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|------------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID    | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-6758-62      | S-16 3'          | 115                                            | 137 S1+           |
| 880-6758-63      | S-16 5'          | 108                                            | 128               |
| 880-6758-64      | S-16 10'         | 117                                            | 134 S1+           |
| 880-6758-65      | S-17 1'          | 109                                            | 124               |
| 880-6758-66      | S-17 3'          | 116                                            | 137 S1+           |
| 880-6758-67      | S-17 5'          | 107                                            | 131 S1+           |
| 880-6758-68      | S-17 10'         | 107                                            | 132 S1+           |
| 880-6758-69      | S-18 1'          | 121                                            | 146 S1+           |
| 880-6758-70      | S-18 3'          | 114                                            | 140 S1+           |
| 880-6758-71      | S-18 5'          | 122                                            | 152 S1+           |
| 880-6758-72      | S-18 10'         | 126                                            | 148 S1+           |
| 880-6758-73      | S-27 1'          | 107                                            | 124               |
| 880-6758-74      | S-27 3'          | 110                                            | 135 S1+           |
| 880-6758-75      | S-27 5'          | 111                                            | 139 S1+           |
| 880-6758-76      | S-27 10'         | 109                                            | 131 S1+           |
| 880-6758-77      | S-35 1'          | 107                                            | 130               |
| 880-6758-78      | S-35 3'          | 126                                            | 151 S1+           |
| 880-6758-79      | S-35 5'          | 127                                            | 155 S1+           |
| 880-6758-80      | S-35 10'         | 102                                            | 124               |
| 880-6758-81      | S-34 1'          | 93                                             | 106               |
| 880-6758-81 MS   | S-34 1'          | 95                                             | 98                |
| 880-6758-81 MSD  | S-34 1'          | 95                                             | 97                |
| 880-6758-82      | S-34 3'          | 87                                             | 100               |
| 880-6758-83      | S-34 5'          | 90                                             | 103               |
| 880-6758-84      | S-34 10'         | 93                                             | 106               |
| 880-6758-85      | S-36 1'          | 88                                             | 99                |
| 880-6758-86      | S-36 3'          | 91                                             | 104               |
| 880-6758-87      | S-36 5'          | 89                                             | 102               |
| 880-6758-88      | S-36 10'         | 97                                             | 109               |
| 880-6758-89      | S-37 1'          | 94                                             | 103               |
| 880-6758-90      | S-37 3'          | 98                                             | 111               |
| 880-6758-91      | S-37 5'          | 97                                             | 110               |
| 880-6758-92      | S-37 10'         | 94                                             | 104               |
| 880-6758-93      | S-19 1'          | 96                                             | 106               |
| 880-6758-94      | S-19 3'          | 93                                             | 105               |
| 880-6758-95      | S-19 5'          | 92                                             | 104               |
| 880-6758-96      | S-19 10'         | 98                                             | 113               |
| 880-6758-97      | S-20 1'          | 99                                             | 110               |
| 880-6758-98      | S-20 3'          | 98                                             | 113               |
| 880-6758-99      | S-20 5'          | 93                                             | 106               |
| 880-6758-100     | S-20 10'         | 98                                             | 112               |
| 880-6758-101     | S-21 1'          | 102                                            | 108               |
| 880-6758-101 MS  | S-21 1'          | 100                                            | 98                |
| 880-6758-101 MSD | S-21 1'          | 99                                             | 95                |
| 880-6758-102     | S-21 3'          | 100                                            | 105               |
| 880-6758-103     | S-21 5'          | 102                                            | 109               |
| 880-6758-104     | S-21 10'         | 96                                             | 101               |
| 880-6758-105     | S-22 1'          | 99                                             | 104               |
| 880-6758-106     | S-22 3'          | 119                                            | 124               |
| 880-6758-107     | S-22 5'          | 122                                            | 129               |

Eurofins Xenco, Midland

## Surrogate Summary

Client: Larson &amp; Associates, Inc.

Job ID: 880-6758-1

Project/Site: Limestone 1H

SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
|                    |                        | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-6758-108       | S-22 10'               | 101                                            | 108               |
| 880-6758-109       | S-31 1'                | 99                                             | 105               |
| 880-6758-110       | S-31 3'                | 117                                            | 123               |
| 880-6758-111       | S-31 5'                | 117                                            | 120               |
| 880-6758-112       | S-31 10'               | 116                                            | 118               |
| 880-6758-113       | S-32 1'                | 109                                            | 110               |
| 880-6758-114       | S-32 3'                | 93                                             | 96                |
| 880-6758-115       | S-32 5'                | 119                                            | 121               |
| 880-6758-116       | S-32 10'               | 109                                            | 111               |
| 880-6758-117       | S-29 1'                | 101                                            | 106               |
| 880-6758-118       | S-29 3'                | 117                                            | 122               |
| 880-6758-119       | S-29 5'                | 118                                            | 121               |
| 880-6758-120       | S-29 10'               | 127                                            | 126               |
| 880-6758-121       | S-30 1'                | 94                                             | 102               |
| 880-6758-122       | S-30 3'                | 99                                             | 107               |
| 880-6758-123       | S-30 5'                | 98                                             | 109               |
| 880-6758-124       | S-30 10'               | 95                                             | 104               |
| 880-6758-125       | S-33 1'                | 95                                             | 102               |
| 880-6758-126       | S-33 3'                | 98                                             | 105               |
| 880-6758-127       | S-33 5'                | 99                                             | 107               |
| 880-6758-128       | S-33 10'               | 95                                             | 102               |
| 880-6758-129       | S-26 1'                | 97                                             | 102               |
| 880-6758-130       | S-26 3'                | 121                                            | 123               |
| 880-6758-131       | S-26 5'                | 96                                             | 102               |
| 880-6758-132       | S-26 10'               | 115                                            | 118               |
| 880-6968-A-1-E MS  | Matrix Spike           | 114                                            | 112               |
| 880-6968-A-1-F MSD | Matrix Spike Duplicate | 111                                            | 111               |
| LCS 880-8917/2-A   | Lab Control Sample     | 92                                             | 90                |
| LCS 880-8978/2-A   | Lab Control Sample     | 89                                             | 87                |
| LCS 880-8979/2-A   | Lab Control Sample     | 107                                            | 101               |
| LCS 880-9033/2-A   | Lab Control Sample     | 95                                             | 105               |
| LCS 880-9036/2-A   | Lab Control Sample     | 106                                            | 113               |
| LCS 880-9050/2-A   | Lab Control Sample     | 108                                            | 118               |
| LCS 880-9051/2-A   | Lab Control Sample     | 88                                             | 89                |
| LCS 880-9090/2-A   | Lab Control Sample     | 96                                             | 95                |
| LCSD 880-8917/3-A  | Lab Control Sample Dup | 101                                            | 98                |
| LCSD 880-8978/3-A  | Lab Control Sample Dup | 83                                             | 76                |
| LCSD 880-8979/3-A  | Lab Control Sample Dup | 86                                             | 92                |
| LCSD 880-9033/3-A  | Lab Control Sample Dup | 99                                             | 115               |
| LCSD 880-9036/3-A  | Lab Control Sample Dup | 118                                            | 125               |
| LCSD 880-9050/3-A  | Lab Control Sample Dup | 113                                            | 124               |
| LCSD 880-9051/3-A  | Lab Control Sample Dup | 100                                            | 102               |
| LCSD 880-9090/3-A  | Lab Control Sample Dup | 97                                             | 93                |
| MB 880-8917/1-A    | Method Blank           | 115                                            | 128               |
| MB 880-8978/1-A    | Method Blank           | 94                                             | 96                |
| MB 880-8979/1-A    | Method Blank           | 105                                            | 121               |
| MB 880-9033/1-A    | Method Blank           | 96                                             | 120               |
| MB 880-9036/1-A    | Method Blank           | 123                                            | 146 S1+           |
| MB 880-9050/1-A    | Method Blank           | 104                                            | 123               |
| MB 880-9051/1-A    | Method Blank           | 111                                            | 120               |

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                             |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID               | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| MB 880-9090/1-A             | Method Blank     | 110                                            | 122               |
| Surrogate Legend            |                  |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                  |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                  |                                                |                   |

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8844/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8844

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:20 | 10/08/21 15:50 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 10/04/21 14:20 | 10/08/21 15:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79           |              | 70 - 130 | 10/04/21 14:20 | 10/08/21 15:50 | 1       |

Lab Sample ID: LCS 880-8844/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8844

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.08018    |               | mg/Kg |   | 80   | 70 - 130     |
| Toluene      | 0.100       | 0.1012     |               | mg/Kg |   | 101  | 70 - 130     |
| Ethylbenzene | 0.100       | 0.1040     |               | mg/Kg |   | 104  | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.1831     |               | mg/Kg |   | 92   | 70 - 130     |
| o-Xylene     | 0.100       | 0.08627    |               | mg/Kg |   | 86   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 91            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 89            |               | 70 - 130 |

Lab Sample ID: LCSD 880-8844/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8844

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene      | 0.100       | 0.09924     |                | mg/Kg |   | 99   | 70 - 130     | 21  | 35        |
| Toluene      | 0.100       | 0.1130      |                | mg/Kg |   | 113  | 70 - 130     | 11  | 35        |
| Ethylbenzene | 0.100       | 0.1036      |                | mg/Kg |   | 104  | 70 - 130     | 0   | 35        |
| m,p-Xylenes  | 0.200       | 0.1817      |                | mg/Kg |   | 91   | 70 - 130     | 1   | 35        |
| o-Xylene     | 0.100       | 0.07958     |                | mg/Kg |   | 80   | 70 - 130     | 8   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 90             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110            |                | 70 - 130 |

Lab Sample ID: 880-6758-1 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 8844

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199      | U F1             | 0.100       | 0.04820   | F1           | mg/Kg |   | 48   | 70 - 130     |
| Toluene | <0.00199      | U                | 0.100       | 0.07836   |              | mg/Kg |   | 77   | 70 - 130     |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-6758-1 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 8844

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199      | U F1             | 0.100       | 0.07166   |              | mg/Kg |   | 70   | 70 - 130     |
| m,p-Xylenes  | <0.00398      | U F1             | 0.201       | 0.1247    | F1           | mg/Kg |   | 62   | 70 - 130     |
| o-Xylene     | <0.00199      | U F1             | 0.100       | 0.06335   | F1           | mg/Kg |   | 63   | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 90           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87           |              | 70 - 130 |

Lab Sample ID: 880-6758-1 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 8844

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00199      | U F1             | 0.0996      | 0.05033    | F1            | mg/Kg |   | 51   | 70 - 130     | 4   | 35        |
| Toluene      | <0.00199      | U                | 0.0996      | 0.07636    |               | mg/Kg |   | 76   | 70 - 130     | 3   | 35        |
| Ethylbenzene | <0.00199      | U F1             | 0.0996      | 0.07015    | F1            | mg/Kg |   | 69   | 70 - 130     | 2   | 35        |
| m,p-Xylenes  | <0.00398      | U F1             | 0.199       | 0.1184     | F1            | mg/Kg |   | 59   | 70 - 130     | 5   | 35        |
| o-Xylene     | <0.00199      | U F1             | 0.0996      | 0.05823    | F1            | mg/Kg |   | 58   | 70 - 130     | 8   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93            |               | 70 - 130 |

Lab Sample ID: MB 880-8846/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8846

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:23 | 10/09/21 02:51 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 127          |              | 70 - 130 | 10/04/21 14:23 | 10/09/21 02:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113          |              | 70 - 130 | 10/04/21 14:23 | 10/09/21 02:51 | 1       |

Lab Sample ID: LCS 880-8846/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8846

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.08236    |               | mg/Kg |   | 82   | 70 - 130     |
| Toluene      | 0.100       | 0.09483    |               | mg/Kg |   | 95   | 70 - 130     |
| Ethylbenzene | 0.100       | 0.09417    |               | mg/Kg |   | 94   | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.1607     |               | mg/Kg |   | 80   | 70 - 130     |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8846/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8846

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| o-Xylene | 0.100       | 0.07995    |               | mg/Kg |   | 80   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 72            |               | 70 - 130 |

Lab Sample ID: LCSD 880-8846/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8846

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene      | 0.100       | 0.07409     |                | mg/Kg |   | 74   | 70 - 130     | 11  | 35    |
| Toluene      | 0.100       | 0.08927     |                | mg/Kg |   | 89   | 70 - 130     | 6   | 35    |
| Ethylbenzene | 0.100       | 0.08839     |                | mg/Kg |   | 88   | 70 - 130     | 6   | 35    |
| m,p-Xylenes  | 0.200       | 0.1554      |                | mg/Kg |   | 78   | 70 - 130     | 3   | 35    |
| o-Xylene     | 0.100       | 0.07535     |                | mg/Kg |   | 75   | 70 - 130     | 6   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 92             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 79             |                | 70 - 130 |

Lab Sample ID: 880-6758-21 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 8846

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00200      | U F1             | 0.100       | 0.04260   | F1           | mg/Kg |   | 42   | 70 - 130     |
| Toluene      | <0.00200      | U F1             | 0.100       | 0.06762   | F1           | mg/Kg |   | 67   | 70 - 130     |
| Ethylbenzene | <0.00200      | U F1             | 0.100       | 0.04621   | F1           | mg/Kg |   | 46   | 70 - 130     |
| m,p-Xylenes  | <0.00401      | U F1             | 0.201       | 0.09378   | F1           | mg/Kg |   | 47   | 70 - 130     |
| o-Xylene     | <0.00200      | U F1             | 0.100       | 0.05240   | F1           | mg/Kg |   | 52   | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 128          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 113          |              | 70 - 130 |

Lab Sample ID: 880-6758-21 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 8846

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Benzene      | <0.00200      | U F1             | 0.100       | 0.04452    | F1            | mg/Kg |   | 44   | 70 - 130     | 4   | 35    |
| Toluene      | <0.00200      | U F1             | 0.100       | 0.05558    | F1            | mg/Kg |   | 55   | 70 - 130     | 20  | 35    |
| Ethylbenzene | <0.00200      | U F1             | 0.100       | 0.04278    | F1            | mg/Kg |   | 43   | 70 - 130     | 8   | 35    |
| m,p-Xylenes  | <0.00401      | U F1             | 0.200       | 0.08318    | F1            | mg/Kg |   | 42   | 70 - 130     | 12  | 35    |
| o-Xylene     | <0.00200      | U F1             | 0.100       | 0.04115    | F1            | mg/Kg |   | 41   | 70 - 130     | 24  | 35    |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-6758-21 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 8846

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 |

Lab Sample ID: MB 880-8847/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8847

|                | MB       | MB        |         |       |   |                |                |     |     |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|-----|-----|
| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |

|                             | MB        | MB        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |

|  | Prepared       | Analyzed       | Dil | Fac |
|--|----------------|----------------|-----|-----|
|  | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |
|  | 10/04/21 14:25 | 10/09/21 13:51 | 1   |     |

Lab Sample ID: LCS 880-8847/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8847

|              | Spike | LCS     | LCS       |       |   |      |          | %Rec. |  |
|--------------|-------|---------|-----------|-------|---|------|----------|-------|--|
| Analyte      | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |       |  |
| Benzene      | 0.100 | 0.07343 |           | mg/Kg |   | 73   | 70 - 130 |       |  |
| Toluene      | 0.100 | 0.08940 |           | mg/Kg |   | 89   | 70 - 130 |       |  |
| Ethylbenzene | 0.100 | 0.08561 |           | mg/Kg |   | 86   | 70 - 130 |       |  |
| m,p-Xylenes  | 0.200 | 0.1485  |           | mg/Kg |   | 74   | 70 - 130 |       |  |
| o-Xylene     | 0.100 | 0.07225 |           | mg/Kg |   | 72   | 70 - 130 |       |  |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 74        |           | 70 - 130 |

Lab Sample ID: LCSD 880-8847/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8847

|              | Spike | LCSD    | LCSD      |       |   |      |          | %Rec. |       | RPD |
|--------------|-------|---------|-----------|-------|---|------|----------|-------|-------|-----|
| Analyte      | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD   | Limit |     |
| Benzene      | 0.100 | 0.07384 |           | mg/Kg |   | 74   | 70 - 130 | 1     | 35    |     |
| Toluene      | 0.100 | 0.08027 |           | mg/Kg |   | 80   | 70 - 130 | 11    | 35    |     |
| Ethylbenzene | 0.100 | 0.08793 |           | mg/Kg |   | 88   | 70 - 130 | 3     | 35    |     |
| m,p-Xylenes  | 0.200 | 0.1439  |           | mg/Kg |   | 72   | 70 - 130 | 3     | 35    |     |
| o-Xylene     | 0.100 | 0.07315 |           | mg/Kg |   | 73   | 70 - 130 | 1     | 35    |     |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-8847/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8847

|                            | LCSD      | LCSD      |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 77        |           | 70 - 130 |

Lab Sample ID: 880-6758-41 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-11 1'

Prep Type: Total/NA

Prep Batch: 8847

|              | Sample   | Sample    | Spike | MS       | MS        |       |   |      | %Rec.    |  |
|--------------|----------|-----------|-------|----------|-----------|-------|---|------|----------|--|
| Analyte      | Result   | Qualifier | Added | Result   | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene      | <0.00199 | U F1      | 0.100 | 0.03530  | F1        | mg/Kg |   | 35   | 70 - 130 |  |
| Toluene      | <0.00199 | U F1      | 0.100 | 0.04304  | F1        | mg/Kg |   | 43   | 70 - 130 |  |
| Ethylbenzene | <0.00199 | U F1      | 0.100 | 0.009888 | F1        | mg/Kg |   | 10   | 70 - 130 |  |
| m,p-Xylenes  | <0.00398 | U F1      | 0.200 | 0.06436  | F1        | mg/Kg |   | 32   | 70 - 130 |  |
| o-Xylene     | <0.00199 | U F1      | 0.100 | 0.03184  | F1        | mg/Kg |   | 32   | 70 - 130 |  |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 74        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |

Lab Sample ID: 880-6758-41 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-11 1'

Prep Type: Total/NA

Prep Batch: 8847

|              | Sample   | Sample    | Spike  | MSD      | MSD       |       |   |      | %Rec.    |     | RPD   |  |
|--------------|----------|-----------|--------|----------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte      | Result   | Qualifier | Added  | Result   | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Benzene      | <0.00199 | U F1      | 0.0990 | 0.04932  | F1        | mg/Kg |   | 50   | 70 - 130 | 33  | 35    |  |
| Toluene      | <0.00199 | U F1      | 0.0990 | 0.04762  | F1        | mg/Kg |   | 48   | 70 - 130 | 10  | 35    |  |
| Ethylbenzene | <0.00199 | U F1      | 0.0990 | 0.009253 | F1        | mg/Kg |   | 9    | 70 - 130 | 7   | 35    |  |
| m,p-Xylenes  | <0.00398 | U F1      | 0.198  | 0.07356  | F1        | mg/Kg |   | 37   | 70 - 130 | 13  | 35    |  |
| o-Xylene     | <0.00199 | U F1      | 0.0990 | 0.04215  | F1        | mg/Kg |   | 43   | 70 - 130 | 28  | 35    |  |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |

Lab Sample ID: MB 880-8850/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8850

|                | MB       | MB        |         |       |   |                |                |         |  |  |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|--|--|
| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |  |
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |

|                             | MB        | MB        |          |                |                |         |  |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 10/04/21 14:32 | 10/10/21 02:31 | 1       |  |  |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8850/1-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8850

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.09060    |               | mg/Kg |   | 91   | 70 - 130     |
| Toluene      | 0.100       | 0.09452    |               | mg/Kg |   | 95   | 70 - 130     |
| Ethylbenzene | 0.100       | 0.09860    |               | mg/Kg |   | 99   | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.2065     |               | mg/Kg |   | 103  | 70 - 130     |
| o-Xylene     | 0.100       | 0.1047     |               | mg/Kg |   | 105  | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 119           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 81            |               | 70 - 130 |

Lab Sample ID: LCSD 880-8850/2-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8850

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene      | 0.100       | 0.08952     |                | mg/Kg |   | 90   | 70 - 130     | 1   | 35        |
| Toluene      | 0.100       | 0.09542     |                | mg/Kg |   | 95   | 70 - 130     | 1   | 35        |
| Ethylbenzene | 0.100       | 0.1011      |                | mg/Kg |   | 101  | 70 - 130     | 2   | 35        |
| m,p-Xylenes  | 0.200       | 0.2196      |                | mg/Kg |   | 110  | 70 - 130     | 6   | 35        |
| o-Xylene     | 0.100       | 0.1094      |                | mg/Kg |   | 109  | 70 - 130     | 4   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 123            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 78             |                | 70 - 130 |

Lab Sample ID: 880-6758-61 MS

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 8850

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00199      | U F1 F2          | 0.101       | 0.06029   | F1           | mg/Kg |   | 60   | 70 - 130     |
| Toluene      | <0.00199      | U F1 F2          | 0.101       | 0.06593   | F1           | mg/Kg |   | 66   | 70 - 130     |
| Ethylbenzene | <0.00199      | U F1 F2          | 0.101       | 0.06862   | F1           | mg/Kg |   | 68   | 70 - 130     |
| m,p-Xylenes  | <0.00398      | U F1 F2          | 0.201       | 0.1410    |              | mg/Kg |   | 70   | 70 - 130     |
| o-Xylene     | <0.00199      | U F1 F2          | 0.101       | 0.07734   |              | mg/Kg |   | 77   | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 128          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 78           |              | 70 - 130 |

Lab Sample ID: 880-6758-61 MSD

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 8850

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00199      | U F1 F2          | 0.0998      | 0.02583    | F1 F2         | mg/Kg |   | 26   | 70 - 130     | 80  | 35        |
| Toluene      | <0.00199      | U F1 F2          | 0.0998      | 0.03662    | F1 F2         | mg/Kg |   | 37   | 70 - 130     | 57  | 35        |
| Ethylbenzene | <0.00199      | U F1 F2          | 0.0998      | 0.04176    | F1 F2         | mg/Kg |   | 42   | 70 - 130     | 49  | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-6758-61 MSD

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 8850

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| m,p-Xylenes                 | <0.00398      | U F1 F2          | 0.200       | 0.08794    | F1 F2         | mg/Kg |   | 44   | 70 - 130     | 46  | 35        |
| o-Xylene                    | <0.00199      | U F1 F2          | 0.0998      | 0.05071    | F1 F2         | mg/Kg |   | 51   | 70 - 130     | 42  | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 4-Bromofluorobenzene (Surr) | 146           | S1+              | 70 - 130    |            |               |       |   |      |              |     |           |
| 1,4-Difluorobenzene (Surr)  | 65            | S1-              | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-8852/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8852

| Analyte                     | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| Toluene                     | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| Ethylbenzene                | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| m,p-Xylenes                 | <0.00400     | U            | 0.00400  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| o-Xylene                    | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| Xylenes, Total              | <0.00400     | U            | 0.00400  | mg/Kg |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108          |              | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76           |              | 70 - 130 |       |   | 10/04/21 14:35 | 10/10/21 13:23 | 1       |

Lab Sample ID: LCS 880-8852/1-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8852

| Analyte                     | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Benzene                     | 0.100         | 0.09382       |               | mg/Kg |   | 94   | 70 - 130     |
| Toluene                     | 0.100         | 0.09659       |               | mg/Kg |   | 97   | 70 - 130     |
| Ethylbenzene                | 0.100         | 0.1022        |               | mg/Kg |   | 102  | 70 - 130     |
| m,p-Xylenes                 | 0.200         | 0.2116        |               | mg/Kg |   | 106  | 70 - 130     |
| o-Xylene                    | 0.100         | 0.1064        |               | mg/Kg |   | 106  | 70 - 130     |
| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |
| 4-Bromofluorobenzene (Surr) | 118           |               | 70 - 130      |       |   |      |              |
| 1,4-Difluorobenzene (Surr)  | 81            |               | 70 - 130      |       |   |      |              |

Lab Sample ID: LCSD 880-8852/2-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8852

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene      | 0.100       | 0.09389     |                | mg/Kg |   | 94   | 70 - 130     | 0   | 35        |
| Toluene      | 0.100       | 0.09372     |                | mg/Kg |   | 94   | 70 - 130     | 3   | 35        |
| Ethylbenzene | 0.100       | 0.09789     |                | mg/Kg |   | 98   | 70 - 130     | 4   | 35        |
| m,p-Xylenes  | 0.200       | 0.2041      |                | mg/Kg |   | 102  | 70 - 130     | 4   | 35        |
| o-Xylene     | 0.100       | 0.1028      |                | mg/Kg |   | 103  | 70 - 130     | 3   | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |

Lab Sample ID: 880-6758-81 MS

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: S-34 1'

Prep Type: Total/NA

Prep Batch: 8852

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00199      | U F1 F2          | 0.100       | 0.06552   | F1           | mg/Kg |   | 65   | 70 - 130     |
| Toluene      | <0.00199      | U F1 F2          | 0.100       | 0.06391   | F1           | mg/Kg |   | 64   | 70 - 130     |
| Ethylbenzene | <0.00199      | U F1 F2          | 0.100       | 0.06244   | F1           | mg/Kg |   | 62   | 70 - 130     |
| m,p-Xylenes  | <0.00398      | U F1 F2          | 0.201       | 0.1270    | F1           | mg/Kg |   | 63   | 70 - 130     |
| o-Xylene     | <0.00199      | U F1 F2          | 0.100       | 0.06602   | F1           | mg/Kg |   | 65   | 70 - 130     |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |

Lab Sample ID: 880-6758-81 MSD

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: S-34 1'

Prep Type: Total/NA

Prep Batch: 8852

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Benzene      | <0.00199      | U F1 F2          | 0.0990      | 0.03258    | F1 F2         | mg/Kg |   | 33   | 70 - 130     | 67  | 35    |
| Toluene      | <0.00199      | U F1 F2          | 0.0990      | 0.03715    | F1 F2         | mg/Kg |   | 38   | 70 - 130     | 53  | 35    |
| Ethylbenzene | <0.00199      | U F1 F2          | 0.0990      | 0.03888    | F1 F2         | mg/Kg |   | 39   | 70 - 130     | 46  | 35    |
| m,p-Xylenes  | <0.00398      | U F1 F2          | 0.198       | 0.07936    | F1 F2         | mg/Kg |   | 40   | 70 - 130     | 46  | 35    |
| o-Xylene     | <0.00199      | U F1 F2          | 0.0990      | 0.04541    | F1 F2         | mg/Kg |   | 45   | 70 - 130     | 37  | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |

Lab Sample ID: MB 880-8853/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8853

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/04/21 14:37 | 10/10/21 00:52 | 1       |

|                             | MB        | MB        |          |                |                |         |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 00:52 | 1       |  |  |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 | 10/04/21 14:37 | 10/10/21 00:52 | 1       |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8853/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8853

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.1065     |               | mg/Kg |   | 107  | 70 - 130     |
| Toluene      | 0.100       | 0.09132    |               | mg/Kg |   | 91   | 70 - 130     |
| Ethylbenzene | 0.100       | 0.09410    |               | mg/Kg |   | 94   | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.1671     |               | mg/Kg |   | 84   | 70 - 130     |
| o-Xylene     | 0.100       | 0.07581    |               | mg/Kg |   | 76   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 89            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130 |

Lab Sample ID: LCSD 880-8853/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8853

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene      | 0.100       | 0.09424     |                | mg/Kg |   | 94   | 70 - 130     | 12  | 35        |
| Toluene      | 0.100       | 0.09728     |                | mg/Kg |   | 97   | 70 - 130     | 6   | 35        |
| Ethylbenzene | 0.100       | 0.09890     |                | mg/Kg |   | 99   | 70 - 130     | 5   | 35        |
| m,p-Xylenes  | 0.200       | 0.1707      |                | mg/Kg |   | 85   | 70 - 130     | 2   | 35        |
| o-Xylene     | 0.100       | 0.08332     |                | mg/Kg |   | 83   | 70 - 130     | 9   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 95             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91             |                | 70 - 130 |

Lab Sample ID: 880-6758-101 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-21 1'

Prep Type: Total/NA

Prep Batch: 8853

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00200      | U F1             | 0.0994      | 0.05761   | F1           | mg/Kg |   | 58   | 70 - 130     |
| Toluene      | <0.00200      | U F1             | 0.0994      | 0.09306   |              | mg/Kg |   | 94   | 70 - 130     |
| Ethylbenzene | <0.00200      | U F1             | 0.0994      | 0.07666   |              | mg/Kg |   | 77   | 70 - 130     |
| m,p-Xylenes  | <0.00399      | U F1             | 0.199       | 0.1407    |              | mg/Kg |   | 71   | 70 - 130     |
| o-Xylene     | <0.00200      | U F1             | 0.0994      | 0.06962   |              | mg/Kg |   | 70   | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 106          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130 |

Lab Sample ID: 880-6758-101 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-21 1'

Prep Type: Total/NA

Prep Batch: 8853

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00200      | U F1             | 0.0994      | <0.00199   | U F1          | mg/Kg |   | 0    | 70 - 130     | NC  | 35        |
| Toluene      | <0.00200      | U F1             | 0.0994      | <0.00199   | U F1          | mg/Kg |   | 0    | 70 - 130     | NC  | 35        |
| Ethylbenzene | <0.00200      | U F1             | 0.0994      | <0.00199   | U F1          | mg/Kg |   | 0    | 70 - 130     | NC  | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-6758-101 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-21 1'

Prep Type: Total/NA

Prep Batch: 8853

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| m,p-Xylenes                 | <0.00399      | U F1             | 0.199       | <0.00398   | U F1          | mg/Kg |   | 0    | 70 - 130     | NC  | 35        |
| o-Xylene                    | <0.00200      | U F1             | 0.0994      | <0.00199   | U F1          | mg/Kg |   | 0    | 70 - 130     | NC  | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 4-Bromofluorobenzene (Surr) | 75            |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| 1,4-Difluorobenzene (Surr)  | 96            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-8854/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8854

| Analyte                     | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| Toluene                     | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| Ethylbenzene                | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| m,p-Xylenes                 | <0.00400     | U            | 0.00400  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| o-Xylene                    | <0.00200     | U            | 0.00200  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| Xylenes, Total              | <0.00400     | U            | 0.00400  | mg/Kg |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85           |              | 70 - 130 |       |   | 10/04/21 14:40 | 10/10/21 11:52 | 1       |

Lab Sample ID: LCS 880-8854/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8854

| Analyte                     | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|--|
| Benzene                     | 0.100         | 0.08708       |               | mg/Kg |   | 87   | 70 - 130     |  |
| Toluene                     | 0.100         | 0.1043        |               | mg/Kg |   | 104  | 70 - 130     |  |
| Ethylbenzene                | 0.100         | 0.09926       |               | mg/Kg |   | 99   | 70 - 130     |  |
| m,p-Xylenes                 | 0.200         | 0.1701        |               | mg/Kg |   | 85   | 70 - 130     |  |
| o-Xylene                    | 0.100         | 0.08133       |               | mg/Kg |   | 81   | 70 - 130     |  |
| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |  |
| 4-Bromofluorobenzene (Surr) | 99            |               | 70 - 130      |       |   |      |              |  |
| 1,4-Difluorobenzene (Surr)  | 111           |               | 70 - 130      |       |   |      |              |  |

Lab Sample ID: LCSD 880-8854/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8854

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene      | 0.100       | 0.09383     |                | mg/Kg |   | 94   | 70 - 130     | 7   | 35        |
| Toluene      | 0.100       | 0.1069      |                | mg/Kg |   | 107  | 70 - 130     | 2   | 35        |
| Ethylbenzene | 0.100       | 0.1037      |                | mg/Kg |   | 104  | 70 - 130     | 4   | 35        |
| m,p-Xylenes  | 0.200       | 0.1821      |                | mg/Kg |   | 91   | 70 - 130     | 7   | 35        |
| o-Xylene     | 0.100       | 0.09063     |                | mg/Kg |   | 91   | 70 - 130     | 11  | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 |

Lab Sample ID: 880-6758-121 MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-30 1'

Prep Type: Total/NA

Prep Batch: 8854

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00199      | U F1             | 0.100       | 0.05538   | F1           | mg/Kg |   | 55   | 70 - 130     |
| Toluene      | <0.00199      | U F1             | 0.100       | 0.08330   |              | mg/Kg |   | 83   | 70 - 130     |
| Ethylbenzene | <0.00199      | U F1             | 0.100       | 0.08154   |              | mg/Kg |   | 82   | 70 - 130     |
| m,p-Xylenes  | <0.00398      | U F1             | 0.200       | 0.1298    | F1           | mg/Kg |   | 65   | 70 - 130     |
| o-Xylene     | <0.00199      | U F1             | 0.100       | 0.06618   | F1           | mg/Kg |   | 66   | 70 - 130     |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |

Lab Sample ID: 880-6758-121 MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: S-30 1'

Prep Type: Total/NA

Prep Batch: 8854

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Benzene      | <0.00199      | U F1             | 0.0996      | 0.05546    | F1            | mg/Kg |   | 56   | 70 - 130     | 0   | 35    |
| Toluene      | <0.00199      | U F1             | 0.0996      | 0.06601    | F1            | mg/Kg |   | 66   | 70 - 130     | 23  | 35    |
| Ethylbenzene | <0.00199      | U F1             | 0.0996      | 0.06583    | F1            | mg/Kg |   | 66   | 70 - 130     | 21  | 35    |
| m,p-Xylenes  | <0.00398      | U F1             | 0.199       | 0.1149     | F1            | mg/Kg |   | 58   | 70 - 130     | 12  | 35    |
| o-Xylene     | <0.00199      | U F1             | 0.0996      | 0.05639    | F1            | mg/Kg |   | 57   | 70 - 130     | 16  | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |

Lab Sample ID: MB 880-8974/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8974

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/06/21 10:57 | 10/09/21 15:38 | 1       |

|                             | MB        | MB        |          |                |                |         |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 10/06/21 10:57 | 10/09/21 15:38 | 1       |  |  |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 10/06/21 10:57 | 10/09/21 15:38 | 1       |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-8917/1-A

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8917

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0           | U               | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 10:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 10:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 10/05/21 11:42 | 10/06/21 10:40 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 115             |                 | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 10:40 | 1       |
| o-Terphenyl (Surr)                   | 128             |                 | 70 - 130 |       |   | 10/05/21 11:42 | 10/06/21 10:40 | 1       |

Lab Sample ID: LCS 880-8917/2-A

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8917

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 834.2            |                  | mg/Kg |   | 83   | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | 1000             | 879.4            |                  | mg/Kg |   | 88   | 70 - 130        |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                 |
| 1-Chlorooctane (Surr)                | 92               |                  | 70 - 130         |       |   |      |                 |
| o-Terphenyl (Surr)                   | 90               |                  | 70 - 130         |       |   |      |                 |

Lab Sample ID: LCSD 880-8917/3-A

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8917

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 907.8             |                   | mg/Kg |   | 91   | 70 - 130        | 8   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 959.2             |                   | mg/Kg |   | 96   | 70 - 130        | 9   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                | 101               |                   | 70 - 130          |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                   | 98                |                   | 70 - 130          |       |   |      |                 |     |              |

Lab Sample ID: 880-6735-A-41-F MS

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8917

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9            | U                   | 995            | 805.6        |                 | mg/Kg |   | 81   | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | <49.9            | U                   | 995            | 952.0        |                 | mg/Kg |   | 96   | 70 - 130        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6735-A-41-F MS

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8917

|                       | MS        | MS        |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 104       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 99        |           | 70 - 130 |

Lab Sample ID: 880-6735-A-41-G MSD

Matrix: Solid

Analysis Batch: 8955

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8917

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 921.2      |               | mg/Kg |   | 92   | 70 - 130     | 13  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 997         | 966.2      |               | mg/Kg |   | 97   | 70 - 130     | 1   | 20        |

|                       | MSD       | MSD       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 105       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 101       |           | 70 - 130 |

Lab Sample ID: MB 880-8978/1-A

Matrix: Solid

Analysis Batch: 9021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8978

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 11:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 11:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:31 | 10/07/21 11:52 | 1       |

|                       | MB        | MB        |          | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate             | %Recovery | Qualifier | Limits   |                |                |         |
| 1-Chlorooctane (Surr) | 94        |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 11:52 | 1       |
| o-Terphenyl (Surr)    | 96        |           | 70 - 130 | 10/06/21 13:31 | 10/07/21 11:52 | 1       |

Lab Sample ID: LCS 880-8978/2-A

Matrix: Solid

Analysis Batch: 9021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8978

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 797.7      |               | mg/Kg |   | 80   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 779.4      |               | mg/Kg |   | 78   | 70 - 130     |

|                       | LCS       | LCS       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 89        |           | 70 - 130 |
| o-Terphenyl (Surr)    | 87        |           | 70 - 130 |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-8978/3-A

Matrix: Solid

Analysis Batch: 9021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8978

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 753.6       |                | mg/Kg |   | 75   | 70 - 130     | 6   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 706.0       |                | mg/Kg |   | 71   | 70 - 130     | 10  | 20        |
|                                      |             |             |                |       |   |      |              |     |           |
|                                      | LCSD        | LCSD        |                |       |   |      |              |     |           |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 83          |             | 70 - 130       |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 76          |             | 70 - 130       |       |   |      |              |     |           |

Lab Sample ID: 880-6758-9 MS

Matrix: Solid

Analysis Batch: 9021

Client Sample ID: S-3 1'

Prep Type: Total/NA

Prep Batch: 8978

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 921.5     |              | mg/Kg |   | 92   | 70 - 130     |     |           |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 997         | 810.8     |              | mg/Kg |   | 79   | 70 - 130     |     |           |
|                                      |               |                  |             |           |              |       |   |      |              |     |           |
|                                      | MS            | MS               |             |           |              |       |   |      |              |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |           |              |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 94            |                  | 70 - 130    |           |              |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 85            |                  | 70 - 130    |           |              |       |   |      |              |     |           |

Lab Sample ID: 880-6758-9 MSD

Matrix: Solid

Analysis Batch: 9021

Client Sample ID: S-3 1'

Prep Type: Total/NA

Prep Batch: 8978

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 1000        | 1047       |               | mg/Kg |   | 105  | 70 - 130     | 13  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 1000        | 939.5      |               | mg/Kg |   | 92   | 70 - 130     | 15  | 20        |
|                                      |               |                  |             |            |               |       |   |      |              |     |           |
|                                      | MSD           | MSD              |             |            |               |       |   |      |              |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 106           |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 100           |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-8979/1-A

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8979

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 11:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 11:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 10/06/21 13:47 | 10/07/21 11:52 | 1       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-8979/1-A

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8979

|                       | MB        | MB        |          |                |                |         |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr) | 105       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 11:52 | 1       |
| o-Terphenyl (Surr)    | 121       |           | 70 - 130 | 10/06/21 13:47 | 10/07/21 11:52 | 1       |

Lab Sample ID: LCS 880-8979/2-A

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8979

|                                      |  | Spike | LCS    | LCS       |       |   |      |          | %Rec. |  |
|--------------------------------------|--|-------|--------|-----------|-------|---|------|----------|-------|--|
| Analyte                              |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |       |  |
| Gasoline Range Organics (GRO)-C6-C10 |  | 1000  | 1154   |           | mg/Kg |   | 115  | 70 - 130 |       |  |
| Diesel Range Organics (Over C10-C28) |  | 1000  | 1088   |           | mg/Kg |   | 109  | 70 - 130 |       |  |

|                       | LCS       | LCS       |          |  |  |  |
|-----------------------|-----------|-----------|----------|--|--|--|
| Surrogate             | %Recovery | Qualifier | Limits   |  |  |  |
| 1-Chlorooctane (Surr) | 107       |           | 70 - 130 |  |  |  |
| o-Terphenyl (Surr)    | 101       |           | 70 - 130 |  |  |  |

Lab Sample ID: LCSD 880-8979/3-A

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8979

|                                      |  | Spike | LCSD   | LCSD      |       |   |      |          | %Rec. |     | RPD   |
|--------------------------------------|--|-------|--------|-----------|-------|---|------|----------|-------|-----|-------|
| Analyte                              |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |       | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 |  | 1000  | 734.1  | *1        | mg/Kg |   | 73   | 70 - 130 |       | 45  | 20    |
| Diesel Range Organics (Over C10-C28) |  | 1000  | 810.7  | *1        | mg/Kg |   | 81   | 70 - 130 |       | 29  | 20    |

|                       | LCSD      | LCSD      |          |  |  |  |
|-----------------------|-----------|-----------|----------|--|--|--|
| Surrogate             | %Recovery | Qualifier | Limits   |  |  |  |
| 1-Chlorooctane (Surr) | 86        |           | 70 - 130 |  |  |  |
| o-Terphenyl (Surr)    | 92        |           | 70 - 130 |  |  |  |

Lab Sample ID: 880-6758-22 MS

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: S-6 3'

Prep Type: Total/NA

Prep Batch: 8979

|                                      | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec.    |  |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 997   | 1048   |           | mg/Kg |   | 104  | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 997   | 912.6  |           | mg/Kg |   | 92   | 70 - 130 |  |

|                       | MS        | MS        |          |  |  |  |
|-----------------------|-----------|-----------|----------|--|--|--|
| Surrogate             | %Recovery | Qualifier | Limits   |  |  |  |
| 1-Chlorooctane (Surr) | 98        |           | 70 - 130 |  |  |  |
| o-Terphenyl (Surr)    | 95        |           | 70 - 130 |  |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6758-22 MSD

Matrix: Solid

Analysis Batch: 9023

Client Sample ID: S-6 3'

Prep Type: Total/NA

Prep Batch: 8979

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U *1             | 1000        | 916.2      |               | mg/Kg |   | 90   | 70 - 130     | 13  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U *1             | 1000        | 854.7      |               | mg/Kg |   | 85   | 70 - 130     | 7   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 100           |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 89            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-9033/1-A

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9033

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 09:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 09:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 08:37 | 10/07/21 09:58 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 96           |              | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 09:58 | 1       |
| o-Terphenyl (Surr)                   | 120          |              | 70 - 130 |       |   | 10/07/21 08:37 | 10/07/21 09:58 | 1       |

Lab Sample ID: LCS 880-9033/2-A

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9033

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|--------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 863.5         |               | mg/Kg |   | 86   | 70 - 130     |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 832.5         |               | mg/Kg |   | 83   | 70 - 130     |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |  |  |
| 1-Chlorooctane (Surr)                | 95            |               | 70 - 130      |       |   |      |              |  |  |
| o-Terphenyl (Surr)                   | 105           |               | 70 - 130      |       |   |      |              |  |  |

Lab Sample ID: LCSD 880-9033/3-A

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9033

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 805.2       |                | mg/Kg |   | 81   | 70 - 130     | 7   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 915.9       |                | mg/Kg |   | 92   | 70 - 130     | 10  | 20        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-9033/3-A

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9033

|                       | LCSD      | LCSD      |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 |
| o-Terphenyl (Surr)    | 115       |           | 70 - 130 |

Lab Sample ID: 880-6758-41 MS

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: S-11 1'

Prep Type: Total/NA

Prep Batch: 9033

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec.    |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 997      | 767.3  |           | mg/Kg |   | 77   | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | 196       | F1        | 997      | 825.7  | F1        | mg/Kg |   | 63   | 70 - 130 |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane (Surr)                | 92        |           | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: 880-6758-41 MSD

Matrix: Solid

Analysis Batch: 9025

Client Sample ID: S-11 1'

Prep Type: Total/NA

Prep Batch: 9033

|                                      | Sample    | Sample    | Spike    | MSD    | MSD       |       |   |      | %Rec.    |     | RPD   |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 1000     | 726.3  |           | mg/Kg |   | 73   | 70 - 130 | 5   | 20    |  |
| Diesel Range Organics (Over C10-C28) | 196       | F1        | 1000     | 809.1  | F1        | mg/Kg |   | 61   | 70 - 130 | 2   | 20    |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane (Surr)                | 85        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |

Lab Sample ID: MB 880-9036/1-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9036

|                                      | MB        | MB        |          |       |   |                |                |         |  |  |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|--|
| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 09:58 | 1       |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 09:58 | 1       |  |  |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 08:53 | 10/07/21 09:58 | 1       |  |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |  |
| 1-Chlorooctane (Surr)                | 123       |           | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 09:58 | 1       |  |  |
| o-Terphenyl (Surr)                   | 146       | S1+       | 70 - 130 |       |   | 10/07/21 08:53 | 10/07/21 09:58 | 1       |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-9036/2-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9036

| Analyte                              |           |           | Spike    | LCS    | LCS       | Unit  | D | %Rec. |          |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|--|
|                                      |           |           | Added    | Result | Qualifier |       |   | %Rec  |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 896.0  |           | mg/Kg |   | 90    | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 1090   |           | mg/Kg |   | 109   | 70 - 130 |  |
|                                      |           | LCS       | LCS      |        |           |       |   |       |          |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |       |          |  |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |        |           |       |   |       |          |  |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |        |           |       |   |       |          |  |

Lab Sample ID: LCSD 880-9036/3-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9036

| Analyte                              |           |           | Spike    | LCSD   | LCSD      | Unit  | D | %Rec | %Rec.    | RPD | RPD   |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|
|                                      |           |           | Added    | Result | Qualifier |       |   |      | Limits   |     | Limit |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 998.3  |           | mg/Kg |   | 100  | 70 - 130 | 11  | 20    |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 1207   |           | mg/Kg |   | 121  | 70 - 130 | 10  | 20    |
| Surrogate                            | LCSD      |           | Limits   |        |           |       |   |      |          |     |       |
|                                      | %Recovery | Qualifier |          |        |           |       |   |      |          |     |       |
| 1-Chlorooctane (Surr)                | 118       |           | 70 - 130 |        |           |       |   |      |          |     |       |
| o-Terphenyl (Surr)                   | 125       |           | 70 - 130 |        |           |       |   |      |          |     |       |

Lab Sample ID: 880-6758-61 MS

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 9036

| Analyte                              | Sample    | Sample    | Spike    | MS     | MS        | Unit  | D | %Rec. | Limits   |  |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|--|--|
|                                      | Result    | Qualifier | Added    | Result | Qualifier |       |   | %Rec  |          |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 997      | 983.6  |           | mg/Kg |   | 99    | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 997      | 1155   |           | mg/Kg |   | 114   | 70 - 130 |  |  |
| Surrogate                            | MS        | MS        | Limits   |        |           |       |   |       |          |  |  |
|                                      | %Recovery | Qualifier |          |        |           |       |   |       |          |  |  |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |        |           |       |   |       |          |  |  |
| o-Terphenyl (Surr)                   | 122       |           | 70 - 130 |        |           |       |   |       |          |  |  |

Lab Sample ID: 880-6758-61 MSD

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 9036

|                                      | Sample    | Sample    | Spike    | MSD    | MSD       |       |   | %Rec. |          | RPD |       |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|-----|-------|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec  | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 1000     | 1047   |           | mg/Kg |   | 105   | 70 - 130 | 6   | 20    |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 1000     | 1179   |           | mg/Kg |   | 116   | 70 - 130 | 2   | 20    |
|                                      | MSD       | MSD       |          |        |           |       |   |       |          |     |       |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |       |          |     |       |
| 1-Chlorooctane (Surr)                | 118       |           | 70 - 130 |        |           |       |   |       |          |     |       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6758-61 MSD

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: S-16 1'

Prep Type: Total/NA

Prep Batch: 9036

|                            | MSD       | MSD       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl (Surr) | 122       |           | 70 - 130 |

Lab Sample ID: MB 880-9050/1-A

Matrix: Solid

Analysis Batch: 9147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9050

|                                      | MB        | MB        |          |       |   |                |                |         |  |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 10:36 | 1       |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 10:36 | 1       |  |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/07/21 10:23 | 10/09/21 10:36 | 1       |  |
|                                      | MB        | MB        |          |       |   |                |                |         |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane (Surr)                | 104       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 10:36 | 1       |  |
| <i>o</i> -Terphenyl (Surr)           | 123       |           | 70 - 130 |       |   | 10/07/21 10:23 | 10/09/21 10:36 | 1       |  |

Lab Sample ID: LCS 880-9050/2-A

Matrix: Solid

Analysis Batch: 9147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9050

|                                      | Spike     | LCS       | LCS       |       |   |      |          | %Rec. |  |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|----------|-------|--|
| Analyte                              | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   |       |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 867.9     |           | mg/Kg |   | 87   | 70 - 130 |       |  |
| Diesel Range Organics (Over C10-C28) | 1000      | 980.5     |           | mg/Kg |   | 98   | 70 - 130 |       |  |
|                                      | LCS       | LCS       |           |       |   |      |          |       |  |
| Surrogate                            | %Recovery | Qualifier | Limits    |       |   |      |          |       |  |
| 1-Chlorooctane (Surr)                | 108       |           | 70 - 130  |       |   |      |          |       |  |
| <i>o</i> -Terphenyl (Surr)           | 118       |           | 70 - 130  |       |   |      |          |       |  |

Lab Sample ID: LCSD 880-9050/3-A

Matrix: Solid

Analysis Batch: 9147

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9050

|                                      | Spike     | LCSD      | LCSD      |       |   |      |          | %Rec. |       | RPD |  |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|----------|-------|-------|-----|--|
| Analyte                              | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   | RPD   | Limit |     |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 943.8     |           | mg/Kg |   | 94   | 70 - 130 | 8     | 20    |     |  |
| Diesel Range Organics (Over C10-C28) | 1000      | 1046      |           | mg/Kg |   | 105  | 70 - 130 | 6     | 20    |     |  |
|                                      | LCSD      | LCSD      |           |       |   |      |          |       |       |     |  |
| Surrogate                            | %Recovery | Qualifier | Limits    |       |   |      |          |       |       |     |  |
| 1-Chlorooctane (Surr)                | 113       |           | 70 - 130  |       |   |      |          |       |       |     |  |
| <i>o</i> -Terphenyl (Surr)           | 124       |           | 70 - 130  |       |   |      |          |       |       |     |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6758-81 MS

Matrix: Solid

Analysis Batch: 9147

Client Sample ID: S-34 1'

Prep Type: Total/NA

Prep Batch: 9050

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 877.5     |              | mg/Kg |   | 88   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 997         | 856.2     |              | mg/Kg |   | 86   | 70 - 130     |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |              |
| 1-Chlorooctane (Surr)                | 95            |                  | 70 - 130    |           |              |       |   |      |              |
| o-Terphenyl (Surr)                   | 98            |                  | 70 - 130    |           |              |       |   |      |              |

Lab Sample ID: 880-6758-81 MSD

Matrix: Solid

Analysis Batch: 9147

Client Sample ID: S-34 1'

Prep Type: Total/NA

Prep Batch: 9050

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 1000        | 854.3      |               | mg/Kg |   | 85   | 70 - 130     | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 1000        | 866.2      |               | mg/Kg |   | 87   | 70 - 130     | 1   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 95            |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 97            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-9051/1-A

Matrix: Solid

Analysis Batch: 9149

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9051

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 10:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 10:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 10/07/21 10:35 | 10/09/21 10:36 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 111          |              | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 10:36 | 1       |
| o-Terphenyl (Surr)                   | 120          |              | 70 - 130 |       |   | 10/07/21 10:35 | 10/09/21 10:36 | 1       |

Lab Sample ID: LCS 880-9051/2-A

Matrix: Solid

Analysis Batch: 9149

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9051

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 843.5      |               | mg/Kg |   | 84   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 965.0      |               | mg/Kg |   | 96   | 70 - 130     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-9051/2-A  
Matrix: Solid  
Analysis Batch: 9149

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 9051

|                       | LCS       | LCS       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 88        |           | 70 - 130 |
| o-Terphenyl (Surr)    | 89        |           | 70 - 130 |

Lab Sample ID: LCSD 880-9051/3-A  
Matrix: Solid  
Analysis Batch: 9149

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 9051

| Analyte                                 |           |           | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|-----------|-----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 |           |           | 1000           | 882.4          |                   | mg/Kg |   | 88   | 70 - 130        | 5   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |           |           | 1000           | 1044           |                   | mg/Kg |   | 104  | 70 - 130        | 8   | 20           |
| Surrogate                               |           | LCSD      | LCSD           |                |                   |       |   |      |                 |     |              |
|                                         | %Recovery | Qualifier | Limits         |                |                   |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                   | 100       |           | 70 - 130       |                |                   |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                      | 102       |           | 70 - 130       |                |                   |       |   |      |                 |     |              |

Lab Sample ID: 880-6758-101 MS  
Matrix: Solid  
Analysis Batch: 9149

Client Sample ID: S-21 1'  
Prep Type: Total/NA  
Prep Batch: 9051

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <49.9            | U                   | 997            | 938.0        |                 | mg/Kg |   | 94   | 70 - 130        |     |              |
| Diesel Range Organics (Over<br>C10-C28) | <49.9            | U                   | 997            | 991.9        |                 | mg/Kg |   | 97   | 70 - 130        |     |              |
| Surrogate                               |                  | MS                  | MS             |              |                 |       |   |      |                 |     |              |
|                                         | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                   | 100              |                     | 70 - 130       |              |                 |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                      | 98               |                     | 70 - 130       |              |                 |       |   |      |                 |     |              |

Lab Sample ID: 880-6758-101 MSD  
Matrix: Solid  
Analysis Batch: 9149

Client Sample ID: S-21 1'  
Prep Type: Total/NA  
Prep Batch: 9051

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <49.9            | U                   | 1000           | 911.0         |                  | mg/Kg |   | 91   | 70 - 130        | 3   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | <49.9            | U                   | 1000           | 982.3         |                  | mg/Kg |   | 96   | 70 - 130        | 1   | 20           |
| Surrogate                               |                  | MSD                 | MSD            |               |                  |       |   |      |                 |     |              |
|                                         | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                   | 99               |                     | 70 - 130       |               |                  |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                      | 95               |                     | 70 - 130       |               |                  |       |   |      |                 |     |              |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-9090/1-A

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9090

| Analyte                              | MB Result | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 12:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 12:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0     | mg/Kg |   | 10/08/21 08:25 | 10/08/21 12:16 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 110       |              | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 12:16 | 1       |
| o-Terphenyl (Surr)                   | 122       |              | 70 - 130 |       |   | 10/08/21 08:25 | 10/08/21 12:16 | 1       |

Lab Sample ID: LCS 880-9090/2-A

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9090

| Analyte                              | Spike Added | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|---------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 854.4         |               | mg/Kg |   | 85   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000        | 923.8         |               | mg/Kg |   | 92   | 70 - 130     |
| Surrogate                            | %Recovery   | LCS Qualifier | Limits        |       |   |      |              |
| 1-Chlorooctane (Surr)                | 96          |               | 70 - 130      |       |   |      |              |
| o-Terphenyl (Surr)                   | 95          |               | 70 - 130      |       |   |      |              |

Lab Sample ID: LCSD 880-9090/3-A

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9090

| Analyte                              | Spike Added | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|----------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1016           |                | mg/Kg |   | 102  | 70 - 130     | 17  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1002           |                | mg/Kg |   | 100  | 70 - 130     | 8   | 20        |
| Surrogate                            | %Recovery   | LCSD Qualifier | Limits         |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 97          |                | 70 - 130       |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 93          |                | 70 - 130       |       |   |      |              |     |           |

Lab Sample ID: 880-6968-A-1-E MS

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9090

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 959.3     |              | mg/Kg |   | 94   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 100           |                  | 997         | 1024      |              | mg/Kg |   | 93   | 70 - 130     |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6968-A-1-E MS

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9090

|                       | MS        | MS        |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 114       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 112       |           | 70 - 130 |

Lab Sample ID: 880-6968-A-1-F MSD

Matrix: Solid

Analysis Batch: 9082

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9090

|                                      | Sample    | Sample    | Spike    | MSD    | MSD       |       |   |      | %Rec.    |     | RPD   |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 1000     | 938.3  |           | mg/Kg |   | 91   | 70 - 130 | 2   | 20    |
| Diesel Range Organics (Over C10-C28) | 100       |           | 1000     | 1022   |           | mg/Kg |   | 92   | 70 - 130 | 0   | 20    |
|                                      | MSD       | MSD       |          |        |           |       |   |      |          |     |       |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |
| 1-Chlorooctane (Surr)                | 111       |           | 70 - 130 |        |           |       |   |      |          |     |       |
| o-Terphenyl (Surr)                   | 111       |           | 70 - 130 |        |           |       |   |      |          |     |       |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8899/1-A

Matrix: Solid

Analysis Batch: 9066

Client Sample ID: Method Blank

Prep Type: Soluble

|          | MB     | MB        |      |       |   |          |                |         |  |  |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|--|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |  |
| Chloride | <5.00  | U         | 5.00 | mg/Kg |   |          | 10/07/21 18:11 | 1       |  |  |

Lab Sample ID: LCS 880-8899/2-A

Matrix: Solid

Analysis Batch: 9066

Client Sample ID: Lab Control Sample

Prep Type: Soluble

|          | Spike | LCS    | LCS       |       |   |      |          | %Rec. |  |  |
|----------|-------|--------|-----------|-------|---|------|----------|-------|--|--|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |       |  |  |
| Chloride | 250   | 264.3  |           | mg/Kg |   | 106  | 90 - 110 |       |  |  |

Lab Sample ID: LCSD 880-8899/3-A

Matrix: Solid

Analysis Batch: 9066

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

|          | Spike | LCSD   | LCSD      |       |   |      |          | %Rec. |       | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-------|-------|-----|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD   | Limit |     |
| Chloride | 250   | 264.5  |           | mg/Kg |   | 106  | 90 - 110 | 0     | 20    |     |

Lab Sample ID: 880-6758-3 MS

Matrix: Solid

Analysis Batch: 9066

Client Sample ID: S-1 5'

Prep Type: Soluble

|          | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec.    |  |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Chloride | 19.8   | F1        | 249   | 305.2  | F1        | mg/Kg |   | 115  | 90 - 110 |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-6758-3 MSD

Matrix: Solid

Analysis Batch: 9066

Client Sample ID: S-1 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 19.8          | F1               | 249         | 303.8      | F1            | mg/Kg |   | 114  | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-8901/1-A

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/08/21 17:14 | 1       |

Lab Sample ID: LCS 880-8901/2-A

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 242.1      |               | mg/Kg |   | 97   | 90 - 110     |

Lab Sample ID: LCSD 880-8901/3-A

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 243.4       |                | mg/Kg |   | 97   | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-6758-13 MS

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: S-4 1'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 328           |                  | 248         | 582.6     |              | mg/Kg |   | 103  | 90 - 110     |

Lab Sample ID: 880-6758-13 MSD

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: S-4 1'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 328           |                  | 248         | 585.7      |               | mg/Kg |   | 104  | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-6758-23 MS

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: S-6 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 171           |                  | 249         | 418.3     |              | mg/Kg |   | 99   | 90 - 110     |

Lab Sample ID: 880-6758-23 MSD

Matrix: Solid

Analysis Batch: 9155

Client Sample ID: S-6 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 171           |                  | 249         | 420.6      |               | mg/Kg |   | 100  | 90 - 110     | 1   | 20        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8905/1-A

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 10/09/21 13:05 | 1       |

Lab Sample ID: LCS 880-8905/2-A

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250            | 236.7         |                  | mg/Kg |   | 95   | 90 - 110        |

Lab Sample ID: LCSD 880-8905/3-A

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250            | 237.6          |                   | mg/Kg |   | 95   | 90 - 110        | 0   | 20           |

Lab Sample ID: 880-6758-33 MS

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: S-9 1'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 144              |                     | 250            | 371.5        |                 | mg/Kg |   | 91   | 90 - 110        |

Lab Sample ID: 880-6758-33 MSD

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: S-9 1'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 144              |                     | 250            | 372.2         |                  | mg/Kg |   | 91   | 90 - 110        | 0   | 20           |

Lab Sample ID: 880-6758-43 MS

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: S-11 5'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 333              |                     | 250            | 582.6        |                 | mg/Kg |   | 100  | 90 - 110        |

Lab Sample ID: 880-6758-43 MSD

Matrix: Solid

Analysis Batch: 9156

Client Sample ID: S-11 5'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 333              |                     | 250            | 582.5         |                  | mg/Kg |   | 100  | 90 - 110        | 0   | 20           |

Lab Sample ID: MB 880-8906/1-A

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 10/09/21 16:22 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-8906/2-A

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 237.8      |               | mg/Kg |   | 95   | 90 - 110     |

Lab Sample ID: LCSD 880-8906/3-A

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 239.1       |                | mg/Kg |   | 96   | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-6758-45 MS

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: S-12 1'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 3100          |                  | 1250        | 4461      |              | mg/Kg |   | 109  | 90 - 110     |

Lab Sample ID: 880-6758-45 MSD

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: S-12 1'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 3100          |                  | 1250        | 4464       |               | mg/Kg |   | 110  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-55 MS

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: S-14 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 833           | F1               | 250         | 1056      | F1           | mg/Kg |   | 89   | 90 - 110     |

Lab Sample ID: 880-6758-55 MSD

Matrix: Solid

Analysis Batch: 9157

Client Sample ID: S-14 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 833           | F1               | 250         | 1059       |               | mg/Kg |   | 90   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-8907/1-A

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/09/21 19:39 | 1       |

Lab Sample ID: LCS 880-8907/2-A

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 240.3      |               | mg/Kg |   | 96   | 90 - 110     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-8907/3-A

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 241.4       |                | mg/Kg |   | 97   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-58 MS

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: S-15 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Chloride | 29.4          |                  | 248         | 271.1     |              | mg/Kg |   | 97   | 90 - 110     |     |           |

Lab Sample ID: 880-6758-58 MSD

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: S-15 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 29.4          |                  | 248         | 271.0      |               | mg/Kg |   | 97   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-68 MS

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: S-17 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Chloride | 19.2          |                  | 248         | 258.1     |              | mg/Kg |   | 97   | 90 - 110     |     |           |

Lab Sample ID: 880-6758-68 MSD

Matrix: Solid

Analysis Batch: 9158

Client Sample ID: S-17 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 19.2          |                  | 248         | 258.7      |               | mg/Kg |   | 97   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-8910/1-A

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/09/21 22:56 | 1       |

Lab Sample ID: LCS 880-8910/2-A

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 242.0      |               | mg/Kg |   | 97   | 90 - 110     |     |           |

Lab Sample ID: LCSD 880-8910/3-A

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 242.6       |                | mg/Kg |   | 97   | 90 - 110     | 0   | 20        |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6758-78 MS

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: S-35 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 127           |                  | 252         | 381.8     |              | mg/Kg |   | 101  | 90 - 110     |

Lab Sample ID: 880-6758-78 MSD

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: S-35 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 127           |                  | 252         | 383.0      |               | mg/Kg |   | 101  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-88 MS

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: S-36 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 18.7          |                  | 249         | 277.7     |              | mg/Kg |   | 104  | 90 - 110     |

Lab Sample ID: 880-6758-88 MSD

Matrix: Solid

Analysis Batch: 9159

Client Sample ID: S-36 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 18.7          |                  | 249         | 279.3      |               | mg/Kg |   | 105  | 90 - 110     | 1   | 20        |

Lab Sample ID: MB 880-8913/1-A

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/09/21 13:42 | 1       |

Lab Sample ID: LCS 880-8913/2-A

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 246.8      |               | mg/Kg |   | 99   | 90 - 110     |

Lab Sample ID: LCSD 880-8913/3-A

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 247.9       |                | mg/Kg |   | 99   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-98 MS

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: S-20 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 644           |                  | 250         | 873.3     |              | mg/Kg |   | 92   | 90 - 110     |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6758-98 MSD

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: S-20 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 644           |                  | 250         | 875.2      |               | mg/Kg |   | 93   | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-6758-108 MS

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: S-22 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Chloride | 19.0          |                  | 249         | 268.1     |              | mg/Kg |   | 100  | 90 - 110     |  |  |

Lab Sample ID: 880-6758-108 MSD

Matrix: Solid

Analysis Batch: 9160

Client Sample ID: S-22 10'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 19.0          |                  | 249         | 268.0      |               | mg/Kg |   | 100  | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 880-8914/1-A

Matrix: Solid

Analysis Batch: 9161

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/09/21 17:47 | 1       |

Lab Sample ID: LCS 880-8914/2-A

Matrix: Solid

Analysis Batch: 9161

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|-------------|------------|---------------|-------|---|------|--------------|--|--|
| Chloride | 250         | 252.0      |               | mg/Kg |   | 101  | 90 - 110     |  |  |

Lab Sample ID: LCSD 880-8914/3-A

Matrix: Solid

Analysis Batch: 9161

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 254.4       |                | mg/Kg |   | 102  | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-6758-118 MS

Matrix: Solid

Analysis Batch: 9161

Client Sample ID: S-29 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Chloride | 103           |                  | 248         | 363.1     |              | mg/Kg |   | 105  | 90 - 110     |  |  |

Lab Sample ID: 880-6758-118 MSD

Matrix: Solid

Analysis Batch: 9161

Client Sample ID: S-29 3'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 103           |                  | 248         | 362.7      |               | mg/Kg |   | 105  | 90 - 110     | 0   | 20        |

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6758-128 MS

Client Sample ID: S-33 10'

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 9161

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 26.3          |                  | 248         | 289.0     |              | mg/Kg |   | 106  | 90 - 110     |

Lab Sample ID: 880-6758-128 MSD

Client Sample ID: S-33 10'

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 9161

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 26.3          |                  | 248         | 288.0      |               | mg/Kg |   | 106  | 90 - 110     | 0   | 20        |

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA

## Prep Batch: 8844

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-1        | S-1 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-2        | S-1 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-3        | S-1 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-4        | S-1 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-5        | S-2 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-6        | S-2 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-7        | S-2 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-8        | S-2 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-9        | S-3 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-10       | S-3 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-11       | S-3 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-12       | S-3 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-13       | S-4 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-14       | S-4 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-15       | S-4 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-16       | S-4 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-17       | S-5 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-18       | S-5 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-19       | S-5 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-20       | S-5 10'                | Total/NA  | Solid  | 5035   |            |
| MB 880-8844/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8844/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8844/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-1 MS     | S-1 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-1 MSD    | S-1 1'                 | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8846

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-21       | S-6 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-22       | S-6 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-23       | S-6 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-24       | S-6 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-25       | S-7 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-26       | S-7 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-27       | S-7 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-28       | S-7 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-29       | S-8 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-30       | S-8 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-31       | S-8 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-32       | S-8 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-33       | S-9 1'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-34       | S-9 3'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-35       | S-9 5'                 | Total/NA  | Solid  | 5035   |            |
| 880-6758-36       | S-9 10'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-37       | S-10 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-38       | S-10 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-39       | S-10 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-40       | S-10 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8846/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8846/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8846/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Prep Batch: 8846 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 880-6758-21 MS  | S-6 1'           | Total/NA  | Solid  | 5035   |            |
| 880-6758-21 MSD | S-6 1'           | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8847

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-41       | S-11 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-42       | S-11 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-43       | S-11 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-44       | S-11 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-45       | S-12 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-46       | S-12 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-47       | S-12 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-48       | S-12 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-49       | S-13 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-50       | S-13 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-51       | S-13 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-52       | S-13 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-53       | S-14 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-54       | S-14 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-55       | S-14 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-56       | S-14 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-57       | S-15 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-58       | S-15 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-59       | S-15 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-60       | S-15 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8847/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8847/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8847/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-41 MS    | S-11 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-41 MSD   | S-11 1'                | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8850

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-61   | S-16 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-62   | S-16 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-63   | S-16 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-64   | S-16 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-65   | S-17 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-66   | S-17 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-67   | S-17 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-68   | S-17 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-69   | S-18 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-70   | S-18 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-71   | S-18 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-72   | S-18 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-73   | S-27 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-74   | S-27 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-75   | S-27 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-76   | S-27 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-77   | S-35 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-78   | S-35 3'          | Total/NA  | Solid  | 5035   |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Prep Batch: 8850 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-79       | S-35 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-80       | S-35 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8850/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8850/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8850/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-61 MS    | S-16 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-61 MSD   | S-16 1'                | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8852

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-81       | S-34 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-82       | S-34 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-83       | S-34 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-84       | S-34 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-85       | S-36 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-86       | S-36 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-87       | S-36 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-88       | S-36 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-89       | S-37 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-90       | S-37 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-91       | S-37 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-92       | S-37 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-93       | S-19 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-94       | S-19 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-95       | S-19 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-96       | S-19 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-97       | S-20 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-98       | S-20 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-99       | S-20 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-100      | S-20 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8852/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8852/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8852/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-81 MS    | S-34 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-81 MSD   | S-34 1'                | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8853

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-101  | S-21 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-102  | S-21 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-103  | S-21 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-104  | S-21 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-105  | S-22 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-106  | S-22 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-107  | S-22 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-108  | S-22 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-109  | S-31 1'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-110  | S-31 3'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-111  | S-31 5'          | Total/NA  | Solid  | 5035   |            |
| 880-6758-112  | S-31 10'         | Total/NA  | Solid  | 5035   |            |
| 880-6758-113  | S-32 1'          | Total/NA  | Solid  | 5035   |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Prep Batch: 8853 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-114      | S-32 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-115      | S-32 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-116      | S-32 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-117      | S-29 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-118      | S-29 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-119      | S-29 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-120      | S-29 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8853/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8853/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8853/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-101 MS   | S-21 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-101 MSD  | S-21 1'                | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8854

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-121      | S-30 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-122      | S-30 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-123      | S-30 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-124      | S-30 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-125      | S-33 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-126      | S-33 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-127      | S-33 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-128      | S-33 10'               | Total/NA  | Solid  | 5035   |            |
| 880-6758-129      | S-26 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-130      | S-26 3'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-131      | S-26 5'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-132      | S-26 10'               | Total/NA  | Solid  | 5035   |            |
| MB 880-8854/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-8854/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-8854/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-6758-121 MS   | S-30 1'                | Total/NA  | Solid  | 5035   |            |
| 880-6758-121 MSD  | S-30 1'                | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 8974

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| MB 880-8974/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 9112

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-61   | S-16 1'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-62   | S-16 3'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-63   | S-16 5'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-64   | S-16 10'         | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-65   | S-17 1'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-66   | S-17 3'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-67   | S-17 5'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-68   | S-17 10'         | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-69   | S-18 1'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-70   | S-18 3'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-71   | S-18 5'          | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-72   | S-18 10'         | Total/NA  | Solid  | 8021B  | 8850       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Analysis Batch: 9112 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-73       | S-27 1'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-74       | S-27 3'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-75       | S-27 5'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-76       | S-27 10'               | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-77       | S-35 1'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-78       | S-35 3'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-79       | S-35 5'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-80       | S-35 10'               | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-81       | S-34 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-82       | S-34 3'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-83       | S-34 5'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-84       | S-34 10'               | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-85       | S-36 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-86       | S-36 3'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-87       | S-36 5'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-88       | S-36 10'               | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-89       | S-37 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-90       | S-37 3'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-91       | S-37 5'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-92       | S-37 10'               | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-93       | S-19 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-94       | S-19 3'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-95       | S-19 5'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-96       | S-19 10'               | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-97       | S-20 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-98       | S-20 3'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-99       | S-20 5'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-100      | S-20 10'               | Total/NA  | Solid  | 8021B  | 8852       |
| MB 880-8850/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8850       |
| MB 880-8852/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8852       |
| MB 880-8974/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8974       |
| LCS 880-8850/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8850       |
| LCS 880-8852/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8852       |
| LCSD 880-8850/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8850       |
| LCSD 880-8852/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-61 MS    | S-16 1'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-61 MSD   | S-16 1'                | Total/NA  | Solid  | 8021B  | 8850       |
| 880-6758-81 MS    | S-34 1'                | Total/NA  | Solid  | 8021B  | 8852       |
| 880-6758-81 MSD   | S-34 1'                | Total/NA  | Solid  | 8021B  | 8852       |

## Analysis Batch: 9113

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-1    | S-1 1'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-2    | S-1 3'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-3    | S-1 5'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-4    | S-1 10'          | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-5    | S-2 1'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-6    | S-2 3'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-7    | S-2 5'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-8    | S-2 10'          | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-9    | S-3 1'           | Total/NA  | Solid  | 8021B  | 8844       |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Analysis Batch: 9113 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-10   | S-3 3'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-11   | S-3 5'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-12   | S-3 10'          | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-13   | S-4 1'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-14   | S-4 3'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-15   | S-4 5'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-16   | S-4 10'          | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-17   | S-5 1'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-18   | S-5 3'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-19   | S-5 5'           | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-20   | S-5 10'          | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-21   | S-6 1'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-22   | S-6 3'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-23   | S-6 5'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-24   | S-6 10'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-25   | S-7 1'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-26   | S-7 3'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-27   | S-7 5'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-28   | S-7 10'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-29   | S-8 1'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-30   | S-8 3'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-31   | S-8 5'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-32   | S-8 10'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-33   | S-9 1'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-34   | S-9 3'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-35   | S-9 5'           | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-36   | S-9 10'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-37   | S-10 1'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-38   | S-10 3'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-39   | S-10 5'          | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-40   | S-10 10'         | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-41   | S-11 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-42   | S-11 3'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-43   | S-11 5'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-44   | S-11 10'         | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-45   | S-12 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-46   | S-12 3'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-47   | S-12 5'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-48   | S-12 10'         | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-49   | S-13 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-50   | S-13 3'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-51   | S-13 5'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-52   | S-13 10'         | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-53   | S-14 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-54   | S-14 3'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-55   | S-14 5'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-56   | S-14 10'         | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-57   | S-15 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-58   | S-15 3'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-59   | S-15 5'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-60   | S-15 10'         | Total/NA  | Solid  | 8021B  | 8847       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Analysis Batch: 9113 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-101      | S-21 1'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-102      | S-21 3'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-103      | S-21 5'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-104      | S-21 10'               | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-105      | S-22 1'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-106      | S-22 3'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-107      | S-22 5'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-108      | S-22 10'               | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-109      | S-31 1'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-110      | S-31 3'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-111      | S-31 5'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-112      | S-31 10'               | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-113      | S-32 1'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-114      | S-32 3'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-115      | S-32 5'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-116      | S-32 10'               | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-117      | S-29 1'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-118      | S-29 3'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-119      | S-29 5'                | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-120      | S-29 10'               | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-121      | S-30 1'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-122      | S-30 3'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-123      | S-30 5'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-124      | S-30 10'               | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-125      | S-33 1'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-126      | S-33 3'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-127      | S-33 5'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-128      | S-33 10'               | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-129      | S-26 1'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-130      | S-26 3'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-131      | S-26 5'                | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-132      | S-26 10'               | Total/NA  | Solid  | 8021B  | 8854       |
| MB 880-8844/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8844       |
| MB 880-8846/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8846       |
| MB 880-8847/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8847       |
| MB 880-8853/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8853       |
| MB 880-8854/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 8854       |
| LCS 880-8844/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8844       |
| LCS 880-8846/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8846       |
| LCS 880-8847/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8847       |
| LCS 880-8853/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8853       |
| LCS 880-8854/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 8854       |
| LCSD 880-8844/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8844       |
| LCSD 880-8846/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8846       |
| LCSD 880-8847/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8847       |
| LCSD 880-8853/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8853       |
| LCSD 880-8854/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-1 MS     | S-1 1'                 | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-1 MSD    | S-1 1'                 | Total/NA  | Solid  | 8021B  | 8844       |
| 880-6758-21 MS    | S-6 1'                 | Total/NA  | Solid  | 8021B  | 8846       |
| 880-6758-21 MSD   | S-6 1'                 | Total/NA  | Solid  | 8021B  | 8846       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Analysis Batch: 9113 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 880-6758-41 MS   | S-11 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-41 MSD  | S-11 1'          | Total/NA  | Solid  | 8021B  | 8847       |
| 880-6758-101 MS  | S-21 1'          | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-101 MSD | S-21 1'          | Total/NA  | Solid  | 8021B  | 8853       |
| 880-6758-121 MS  | S-30 1'          | Total/NA  | Solid  | 8021B  | 8854       |
| 880-6758-121 MSD | S-30 1'          | Total/NA  | Solid  | 8021B  | 8854       |

## Analysis Batch: 9138

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-6758-1    | S-1 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-2    | S-1 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-3    | S-1 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-4    | S-1 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-5    | S-2 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-6    | S-2 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-7    | S-2 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-8    | S-2 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-9    | S-3 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-10   | S-3 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-11   | S-3 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-12   | S-3 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-13   | S-4 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-14   | S-4 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-15   | S-4 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-16   | S-4 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-17   | S-5 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-18   | S-5 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-19   | S-5 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-20   | S-5 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-21   | S-6 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-22   | S-6 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-23   | S-6 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-24   | S-6 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-25   | S-7 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-26   | S-7 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-27   | S-7 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-28   | S-7 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-29   | S-8 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-30   | S-8 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-31   | S-8 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-32   | S-8 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-33   | S-9 1'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-34   | S-9 3'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-35   | S-9 5'           | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-36   | S-9 10'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-37   | S-10 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-38   | S-10 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-39   | S-10 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-40   | S-10 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-41   | S-11 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-42   | S-11 3'          | Total/NA  | Solid  | Total BTEX |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA (Continued)

## Analysis Batch: 9138 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-6758-43   | S-11 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-44   | S-11 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-45   | S-12 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-46   | S-12 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-47   | S-12 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-48   | S-12 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-49   | S-13 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-50   | S-13 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-51   | S-13 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-52   | S-13 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-53   | S-14 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-54   | S-14 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-55   | S-14 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-56   | S-14 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-57   | S-15 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-58   | S-15 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-59   | S-15 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-60   | S-15 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-101  | S-21 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-102  | S-21 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-103  | S-21 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-104  | S-21 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-105  | S-22 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-106  | S-22 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-107  | S-22 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-108  | S-22 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-109  | S-31 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-110  | S-31 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-111  | S-31 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-112  | S-31 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-113  | S-32 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-114  | S-32 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-115  | S-32 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-116  | S-32 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-117  | S-29 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-118  | S-29 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-119  | S-29 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-120  | S-29 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-121  | S-30 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-122  | S-30 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-123  | S-30 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-124  | S-30 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-125  | S-33 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-126  | S-33 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-127  | S-33 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-128  | S-33 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-129  | S-26 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-130  | S-26 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-131  | S-26 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-132  | S-26 10'         | Total/NA  | Solid  | Total BTEX |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC VOA

## Analysis Batch: 9139

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-6758-61   | S-16 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-62   | S-16 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-63   | S-16 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-64   | S-16 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-65   | S-17 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-66   | S-17 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-67   | S-17 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-68   | S-17 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-69   | S-18 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-70   | S-18 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-71   | S-18 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-72   | S-18 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-73   | S-27 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-74   | S-27 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-75   | S-27 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-76   | S-27 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-77   | S-35 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-78   | S-35 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-79   | S-35 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-80   | S-35 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-81   | S-34 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-82   | S-34 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-83   | S-34 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-84   | S-34 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-85   | S-36 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-86   | S-36 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-87   | S-36 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-88   | S-36 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-89   | S-37 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-90   | S-37 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-91   | S-37 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-92   | S-37 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-93   | S-19 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-94   | S-19 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-95   | S-19 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-96   | S-19 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-97   | S-20 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-98   | S-20 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-99   | S-20 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-6758-100  | S-20 10'         | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 8917

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-6758-1    | S-1 1'           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-2    | S-1 3'           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-3    | S-1 5'           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-4    | S-1 10'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-5    | S-2 1'           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-6    | S-2 3'           | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Prep Batch: 8917 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-7          | S-2 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-8          | S-2 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-130        | S-26 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-131        | S-26 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-132        | S-26 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-8917/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-8917/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-8917/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6735-A-41-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6735-A-41-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 8955

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-1          | S-1 1'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-2          | S-1 3'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-3          | S-1 5'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-4          | S-1 10'                | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-5          | S-2 1'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-6          | S-2 3'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-7          | S-2 5'                 | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-8          | S-2 10'                | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-130        | S-26 3'                | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-131        | S-26 5'                | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6758-132        | S-26 10'               | Total/NA  | Solid  | 8015B NM | 8917       |
| MB 880-8917/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 8917       |
| LCS 880-8917/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 8917       |
| LCSD 880-8917/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6735-A-41-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 8917       |
| 880-6735-A-41-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 8917       |

## Prep Batch: 8978

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-9        | S-3 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-10       | S-3 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-11       | S-3 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-12       | S-3 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-13       | S-4 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-14       | S-4 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-15       | S-4 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-16       | S-4 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-17       | S-5 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-18       | S-5 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-19       | S-5 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-20       | S-5 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-8978/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-8978/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-8978/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-9 MS     | S-3 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-9 MSD    | S-3 1'                 | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA

## Prep Batch: 8979

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-21       | S-6 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-22       | S-6 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-23       | S-6 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-24       | S-6 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-25       | S-7 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-26       | S-7 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-27       | S-7 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-28       | S-7 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-29       | S-8 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-30       | S-8 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-31       | S-8 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-32       | S-8 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-33       | S-9 1'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-34       | S-9 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-35       | S-9 5'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-36       | S-9 10'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-37       | S-10 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-38       | S-10 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-39       | S-10 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-40       | S-10 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-8979/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-8979/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-8979/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-22 MS    | S-6 3'                 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-22 MSD   | S-6 3'                 | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 9021

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-9        | S-3 1'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-10       | S-3 3'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-11       | S-3 5'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-12       | S-3 10'                | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-13       | S-4 1'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-14       | S-4 3'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-15       | S-4 5'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-16       | S-4 10'                | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-17       | S-5 1'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-18       | S-5 3'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-19       | S-5 5'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-20       | S-5 10'                | Total/NA  | Solid  | 8015B NM | 8978       |
| MB 880-8978/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 8978       |
| LCS 880-8978/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 8978       |
| LCSD 880-8978/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-9 MS     | S-3 1'                 | Total/NA  | Solid  | 8015B NM | 8978       |
| 880-6758-9 MSD    | S-3 1'                 | Total/NA  | Solid  | 8015B NM | 8978       |

## Analysis Batch: 9023

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-6758-21   | S-6 1'           | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-22   | S-6 3'           | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-23   | S-6 5'           | Total/NA  | Solid  | 8015B NM | 8979       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Analysis Batch: 9023 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-24       | S-6 10'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-25       | S-7 1'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-26       | S-7 3'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-27       | S-7 5'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-28       | S-7 10'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-29       | S-8 1'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-30       | S-8 3'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-31       | S-8 5'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-32       | S-8 10'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-33       | S-9 1'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-34       | S-9 3'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-35       | S-9 5'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-36       | S-9 10'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-37       | S-10 1'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-38       | S-10 3'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-39       | S-10 5'                | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-40       | S-10 10'               | Total/NA  | Solid  | 8015B NM | 8979       |
| MB 880-8979/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 8979       |
| LCS 880-8979/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 8979       |
| LCSD 880-8979/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-22 MS    | S-6 3'                 | Total/NA  | Solid  | 8015B NM | 8979       |
| 880-6758-22 MSD   | S-6 3'                 | Total/NA  | Solid  | 8015B NM | 8979       |

## Analysis Batch: 9025

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-41       | S-11 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-42       | S-11 3'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-43       | S-11 5'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-44       | S-11 10'               | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-45       | S-12 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-46       | S-12 3'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-47       | S-12 5'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-48       | S-12 10'               | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-49       | S-13 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-50       | S-13 3'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-51       | S-13 5'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-52       | S-13 10'               | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-53       | S-14 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-54       | S-14 3'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-55       | S-14 5'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-56       | S-14 10'               | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-57       | S-15 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-58       | S-15 3'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-59       | S-15 5'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-60       | S-15 10'               | Total/NA  | Solid  | 8015B NM | 9033       |
| MB 880-9033/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 9033       |
| LCS 880-9033/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9033       |
| LCSD 880-9033/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-41 MS    | S-11 1'                | Total/NA  | Solid  | 8015B NM | 9033       |
| 880-6758-41 MSD   | S-11 1'                | Total/NA  | Solid  | 8015B NM | 9033       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA

## Analysis Batch: 9027

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-61       | S-16 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-62       | S-16 3'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-63       | S-16 5'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-64       | S-16 10'               | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-65       | S-17 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-66       | S-17 3'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-67       | S-17 5'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-68       | S-17 10'               | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-69       | S-18 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-70       | S-18 3'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-71       | S-18 5'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-72       | S-18 10'               | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-73       | S-27 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-74       | S-27 3'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-75       | S-27 5'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-76       | S-27 10'               | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-77       | S-35 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-78       | S-35 3'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-79       | S-35 5'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-80       | S-35 10'               | Total/NA  | Solid  | 8015B NM | 9036       |
| MB 880-9036/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 9036       |
| LCS 880-9036/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9036       |
| LCSD 880-9036/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-61 MS    | S-16 1'                | Total/NA  | Solid  | 8015B NM | 9036       |
| 880-6758-61 MSD   | S-16 1'                | Total/NA  | Solid  | 8015B NM | 9036       |

## Prep Batch: 9033

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-41       | S-11 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-42       | S-11 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-43       | S-11 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-44       | S-11 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-45       | S-12 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-46       | S-12 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-47       | S-12 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-48       | S-12 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-49       | S-13 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-50       | S-13 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-51       | S-13 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-52       | S-13 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-53       | S-14 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-54       | S-14 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-55       | S-14 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-56       | S-14 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-57       | S-15 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-58       | S-15 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-59       | S-15 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-60       | S-15 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9033/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9033/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9033/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Prep Batch: 9033 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-6758-41 MS  | S-11 1'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-41 MSD | S-11 1'          | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 9036

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-61       | S-16 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-62       | S-16 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-63       | S-16 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-64       | S-16 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-65       | S-17 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-66       | S-17 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-67       | S-17 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-68       | S-17 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-69       | S-18 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-70       | S-18 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-71       | S-18 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-72       | S-18 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-73       | S-27 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-74       | S-27 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-75       | S-27 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-76       | S-27 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-77       | S-35 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-78       | S-35 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-79       | S-35 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-80       | S-35 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9036/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9036/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9036/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-61 MS    | S-16 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-61 MSD   | S-16 1'                | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 9044

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-6758-1    | S-1 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-2    | S-1 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-3    | S-1 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-4    | S-1 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-5    | S-2 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-6    | S-2 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-7    | S-2 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-8    | S-2 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-9    | S-3 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-10   | S-3 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-11   | S-3 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-12   | S-3 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-13   | S-4 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-14   | S-4 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-15   | S-4 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-16   | S-4 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-17   | S-5 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-18   | S-5 3'           | Total/NA  | Solid  | 8015 NM |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Analysis Batch: 9044 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-6758-19   | S-5 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-20   | S-5 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-21   | S-6 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-22   | S-6 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-23   | S-6 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-24   | S-6 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-25   | S-7 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-26   | S-7 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-27   | S-7 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-28   | S-7 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-29   | S-8 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-30   | S-8 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-31   | S-8 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-32   | S-8 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-33   | S-9 1'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-34   | S-9 3'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-35   | S-9 5'           | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-36   | S-9 10'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-37   | S-10 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-38   | S-10 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-39   | S-10 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-40   | S-10 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-41   | S-11 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-42   | S-11 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-43   | S-11 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-44   | S-11 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-45   | S-12 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-46   | S-12 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-47   | S-12 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-48   | S-12 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-49   | S-13 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-50   | S-13 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-51   | S-13 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-52   | S-13 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-53   | S-14 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-54   | S-14 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-55   | S-14 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-56   | S-14 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-57   | S-15 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-58   | S-15 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-59   | S-15 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-60   | S-15 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-61   | S-16 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-62   | S-16 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-63   | S-16 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-64   | S-16 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-65   | S-17 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-66   | S-17 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-67   | S-17 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-68   | S-17 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-69   | S-18 1'          | Total/NA  | Solid  | 8015 NM |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Analysis Batch: 9044 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-6758-70   | S-18 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-71   | S-18 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-72   | S-18 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-73   | S-27 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-74   | S-27 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-75   | S-27 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-76   | S-27 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-77   | S-35 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-78   | S-35 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-79   | S-35 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-80   | S-35 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-81   | S-34 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-82   | S-34 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-83   | S-34 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-84   | S-34 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-85   | S-36 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-86   | S-36 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-87   | S-36 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-88   | S-36 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-89   | S-37 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-90   | S-37 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-91   | S-37 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-92   | S-37 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-93   | S-19 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-94   | S-19 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-95   | S-19 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-96   | S-19 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-97   | S-20 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-98   | S-20 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-99   | S-20 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-100  | S-20 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-101  | S-21 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-102  | S-21 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-103  | S-21 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-104  | S-21 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-105  | S-22 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-106  | S-22 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-107  | S-22 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-108  | S-22 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-109  | S-31 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-110  | S-31 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-111  | S-31 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-112  | S-31 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-113  | S-32 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-114  | S-32 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-115  | S-32 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-116  | S-32 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-117  | S-29 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-118  | S-29 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-119  | S-29 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-120  | S-29 10'         | Total/NA  | Solid  | 8015 NM |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Analysis Batch: 9044 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-6758-121  | S-30 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-122  | S-30 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-123  | S-30 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-124  | S-30 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-125  | S-33 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-126  | S-33 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-127  | S-33 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-128  | S-33 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-129  | S-26 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-130  | S-26 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-131  | S-26 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-6758-132  | S-26 10'         | Total/NA  | Solid  | 8015 NM |            |

## Prep Batch: 9050

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-81       | S-34 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-82       | S-34 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-83       | S-34 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-84       | S-34 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-85       | S-36 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-86       | S-36 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-87       | S-36 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-88       | S-36 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-89       | S-37 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-90       | S-37 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-91       | S-37 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-92       | S-37 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-93       | S-19 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-94       | S-19 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-95       | S-19 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-96       | S-19 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-97       | S-20 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-98       | S-20 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-99       | S-20 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-100      | S-20 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9050/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9050/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9050/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-81 MS    | S-34 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-81 MSD   | S-34 1'                | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 9051

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-6758-101  | S-21 1'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-102  | S-21 3'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-103  | S-21 5'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-104  | S-21 10'         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-105  | S-22 1'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-106  | S-22 3'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-107  | S-22 5'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-108  | S-22 10'         | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Prep Batch: 9051 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-109      | S-31 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-110      | S-31 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-111      | S-31 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-112      | S-31 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-113      | S-32 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-114      | S-32 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-115      | S-32 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-116      | S-32 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-117      | S-29 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-118      | S-29 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-119      | S-29 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-120      | S-29 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9051/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9051/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9051/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-101 MS   | S-21 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-101 MSD  | S-21 1'                | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 9082

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-121       | S-30 1'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-122       | S-30 3'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-123       | S-30 5'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-124       | S-30 10'               | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-125       | S-33 1'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-126       | S-33 3'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-127       | S-33 5'                | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-128       | S-33 10'               | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6758-129       | S-26 1'                | Total/NA  | Solid  | 8015B NM | 9090       |
| MB 880-9090/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 9090       |
| LCS 880-9090/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9090       |
| LCSD 880-9090/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6968-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 9090       |
| 880-6968-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 9090       |

## Prep Batch: 9090

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-6758-121       | S-30 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-122       | S-30 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-123       | S-30 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-124       | S-30 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-125       | S-33 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-126       | S-33 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-127       | S-33 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-128       | S-33 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6758-129       | S-26 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9090/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9090/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9090/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6968-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-6968-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA

## Analysis Batch: 9147

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-81       | S-34 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-82       | S-34 3'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-83       | S-34 5'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-84       | S-34 10'               | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-85       | S-36 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-86       | S-36 3'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-87       | S-36 5'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-88       | S-36 10'               | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-89       | S-37 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-90       | S-37 3'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-91       | S-37 5'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-92       | S-37 10'               | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-93       | S-19 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-94       | S-19 3'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-95       | S-19 5'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-96       | S-19 10'               | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-97       | S-20 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-98       | S-20 3'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-99       | S-20 5'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-100      | S-20 10'               | Total/NA  | Solid  | 8015B NM | 9050       |
| MB 880-9050/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 9050       |
| LCS 880-9050/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9050       |
| LCSD 880-9050/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-81 MS    | S-34 1'                | Total/NA  | Solid  | 8015B NM | 9050       |
| 880-6758-81 MSD   | S-34 1'                | Total/NA  | Solid  | 8015B NM | 9050       |

## Analysis Batch: 9149

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-101      | S-21 1'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-102      | S-21 3'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-103      | S-21 5'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-104      | S-21 10'               | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-105      | S-22 1'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-106      | S-22 3'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-107      | S-22 5'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-108      | S-22 10'               | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-109      | S-31 1'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-110      | S-31 3'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-111      | S-31 5'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-112      | S-31 10'               | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-113      | S-32 1'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-114      | S-32 3'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-115      | S-32 5'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-116      | S-32 10'               | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-117      | S-29 1'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-118      | S-29 3'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-119      | S-29 5'                | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-120      | S-29 10'               | Total/NA  | Solid  | 8015B NM | 9051       |
| MB 880-9051/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 9051       |
| LCS 880-9051/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9051       |
| LCSD 880-9051/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9051       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Analysis Batch: 9149 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------|-----------|--------|----------|------------|
| 880-6758-101 MS  | S-21 1'          | Total/NA  | Solid  | 8015B NM | 9051       |
| 880-6758-101 MSD | S-21 1'          | Total/NA  | Solid  | 8015B NM | 9051       |

## HPLC/IC

## Leach Batch: 8899

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-1        | S-1 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-2        | S-1 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-3        | S-1 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-4        | S-1 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-5        | S-2 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-6        | S-2 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-7        | S-2 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-8        | S-2 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-9        | S-3 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-10       | S-3 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-11       | S-3 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-12       | S-3 10'                | Soluble   | Solid  | DI Leach |            |
| MB 880-8899/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8899/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8899/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-3 MS     | S-1 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-3 MSD    | S-1 5'                 | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8901

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-13       | S-4 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-14       | S-4 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-15       | S-4 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-16       | S-4 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-17       | S-5 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-18       | S-5 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-19       | S-5 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-20       | S-5 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-21       | S-6 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-22       | S-6 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-23       | S-6 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-24       | S-6 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-25       | S-7 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-26       | S-7 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-27       | S-7 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-28       | S-7 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-29       | S-8 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-30       | S-8 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-31       | S-8 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-32       | S-8 10'                | Soluble   | Solid  | DI Leach |            |
| MB 880-8901/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8901/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8901/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-13 MS    | S-4 1'                 | Soluble   | Solid  | DI Leach |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Leach Batch: 8901 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 880-6758-13 MSD | S-4 1'           | Soluble   | Solid  | DI Leach |            |
| 880-6758-23 MS  | S-6 5'           | Soluble   | Solid  | DI Leach |            |
| 880-6758-23 MSD | S-6 5'           | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8905

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-33       | S-9 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-34       | S-9 3'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-35       | S-9 5'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-36       | S-9 10'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-37       | S-10 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-38       | S-10 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-39       | S-10 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-40       | S-10 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-41       | S-11 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-42       | S-11 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-43       | S-11 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-44       | S-11 10'               | Soluble   | Solid  | DI Leach |            |
| MB 880-8905/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8905/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8905/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-33 MS    | S-9 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-33 MSD   | S-9 1'                 | Soluble   | Solid  | DI Leach |            |
| 880-6758-43 MS    | S-11 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-43 MSD   | S-11 5'                | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8906

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-45       | S-12 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-46       | S-12 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-47       | S-12 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-48       | S-12 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-49       | S-13 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-50       | S-13 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-51       | S-13 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-52       | S-13 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-53       | S-14 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-54       | S-14 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-55       | S-14 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-56       | S-14 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-57       | S-15 1'                | Soluble   | Solid  | DI Leach |            |
| MB 880-8906/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8906/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8906/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-45 MS    | S-12 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-45 MSD   | S-12 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-55 MS    | S-14 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-55 MSD   | S-14 5'                | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC

## Leach Batch: 8907

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-58       | S-15 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-59       | S-15 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-60       | S-15 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-61       | S-16 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-62       | S-16 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-63       | S-16 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-64       | S-16 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-65       | S-17 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-66       | S-17 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-67       | S-17 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-68       | S-17 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-69       | S-18 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-70       | S-18 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-71       | S-18 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-72       | S-18 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-73       | S-27 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-74       | S-27 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-75       | S-27 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-76       | S-27 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-77       | S-35 1'                | Soluble   | Solid  | DI Leach |            |
| MB 880-8907/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8907/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8907/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-58 MS    | S-15 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-58 MSD   | S-15 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-68 MS    | S-17 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-68 MSD   | S-17 10'               | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8910

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 880-6758-78     | S-35 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-79     | S-35 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-80     | S-35 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-81     | S-34 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-82     | S-34 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-83     | S-34 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-84     | S-34 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-85     | S-36 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-86     | S-36 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-87     | S-36 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-88     | S-36 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-89     | S-37 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-90     | S-37 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-91     | S-37 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-92     | S-37 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-93     | S-19 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-94     | S-19 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-95     | S-19 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-96     | S-19 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-97     | S-20 1'          | Soluble   | Solid  | DI Leach |            |
| MB 880-8910/1-A | Method Blank     | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Leach Batch: 8910 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| LCS 880-8910/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8910/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-78 MS    | S-35 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-78 MSD   | S-35 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-88 MS    | S-36 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-88 MSD   | S-36 10'               | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8913

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-98       | S-20 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-99       | S-20 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-100      | S-20 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-101      | S-21 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-102      | S-21 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-103      | S-21 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-104      | S-21 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-105      | S-22 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-106      | S-22 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-107      | S-22 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-108      | S-22 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-109      | S-31 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-110      | S-31 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-111      | S-31 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-112      | S-31 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-113      | S-32 1'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-114      | S-32 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-115      | S-32 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-116      | S-32 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-117      | S-29 1'                | Soluble   | Solid  | DI Leach |            |
| MB 880-8913/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8913/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8913/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-98 MS    | S-20 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-98 MSD   | S-20 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-108 MS   | S-22 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-108 MSD  | S-22 10'               | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 8914

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-6758-118  | S-29 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-119  | S-29 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-120  | S-29 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-121  | S-30 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-122  | S-30 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-123  | S-30 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-124  | S-30 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-125  | S-33 1'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-126  | S-33 3'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-127  | S-33 5'          | Soluble   | Solid  | DI Leach |            |
| 880-6758-128  | S-33 10'         | Soluble   | Solid  | DI Leach |            |
| 880-6758-129  | S-26 1'          | Soluble   | Solid  | DI Leach |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Leach Batch: 8914 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-6758-130      | S-26 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-131      | S-26 5'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-132      | S-26 10'               | Soluble   | Solid  | DI Leach |            |
| MB 880-8914/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-8914/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-8914/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-6758-118 MS   | S-29 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-118 MSD  | S-29 3'                | Soluble   | Solid  | DI Leach |            |
| 880-6758-128 MS   | S-33 10'               | Soluble   | Solid  | DI Leach |            |
| 880-6758-128 MSD  | S-33 10'               | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 9066

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-1        | S-1 1'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-2        | S-1 3'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-3        | S-1 5'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-4        | S-1 10'                | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-5        | S-2 1'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-6        | S-2 3'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-7        | S-2 5'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-8        | S-2 10'                | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-9        | S-3 1'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-10       | S-3 3'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-11       | S-3 5'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-12       | S-3 10'                | Soluble   | Solid  | 300.0  | 8899       |
| MB 880-8899/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8899       |
| LCS 880-8899/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8899       |
| LCSD 880-8899/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-3 MS     | S-1 5'                 | Soluble   | Solid  | 300.0  | 8899       |
| 880-6758-3 MSD    | S-1 5'                 | Soluble   | Solid  | 300.0  | 8899       |

## Analysis Batch: 9155

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-13   | S-4 1'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-14   | S-4 3'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-15   | S-4 5'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-16   | S-4 10'          | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-17   | S-5 1'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-18   | S-5 3'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-19   | S-5 5'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-20   | S-5 10'          | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-21   | S-6 1'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-22   | S-6 3'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-23   | S-6 5'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-24   | S-6 10'          | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-25   | S-7 1'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-26   | S-7 3'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-27   | S-7 5'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-28   | S-7 10'          | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-29   | S-8 1'           | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-30   | S-8 3'           | Soluble   | Solid  | 300.0  | 8901       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 9155 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-31       | S-8 5'                 | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-32       | S-8 10'                | Soluble   | Solid  | 300.0  | 8901       |
| MB 880-8901/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8901       |
| LCS 880-8901/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8901       |
| LCSD 880-8901/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-13 MS    | S-4 1'                 | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-13 MSD   | S-4 1'                 | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-23 MS    | S-6 5'                 | Soluble   | Solid  | 300.0  | 8901       |
| 880-6758-23 MSD   | S-6 5'                 | Soluble   | Solid  | 300.0  | 8901       |

## Analysis Batch: 9156

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-33       | S-9 1'                 | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-34       | S-9 3'                 | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-35       | S-9 5'                 | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-36       | S-9 10'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-37       | S-10 1'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-38       | S-10 3'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-39       | S-10 5'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-40       | S-10 10'               | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-41       | S-11 1'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-42       | S-11 3'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-43       | S-11 5'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-44       | S-11 10'               | Soluble   | Solid  | 300.0  | 8905       |
| MB 880-8905/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8905       |
| LCS 880-8905/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8905       |
| LCSD 880-8905/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-33 MS    | S-9 1'                 | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-33 MSD   | S-9 1'                 | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-43 MS    | S-11 5'                | Soluble   | Solid  | 300.0  | 8905       |
| 880-6758-43 MSD   | S-11 5'                | Soluble   | Solid  | 300.0  | 8905       |

## Analysis Batch: 9157

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-45       | S-12 1'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-46       | S-12 3'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-47       | S-12 5'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-48       | S-12 10'               | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-49       | S-13 1'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-50       | S-13 3'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-51       | S-13 5'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-52       | S-13 10'               | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-53       | S-14 1'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-54       | S-14 3'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-55       | S-14 5'                | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-56       | S-14 10'               | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-57       | S-15 1'                | Soluble   | Solid  | 300.0  | 8906       |
| MB 880-8906/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8906       |
| LCS 880-8906/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8906       |
| LCSD 880-8906/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-45 MS    | S-12 1'                | Soluble   | Solid  | 300.0  | 8906       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 9157 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 880-6758-45 MSD | S-12 1'          | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-55 MS  | S-14 5'          | Soluble   | Solid  | 300.0  | 8906       |
| 880-6758-55 MSD | S-14 5'          | Soluble   | Solid  | 300.0  | 8906       |

## Analysis Batch: 9158

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-58       | S-15 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-59       | S-15 5'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-60       | S-15 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-61       | S-16 1'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-62       | S-16 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-63       | S-16 5'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-64       | S-16 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-65       | S-17 1'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-66       | S-17 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-67       | S-17 5'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-68       | S-17 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-69       | S-18 1'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-70       | S-18 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-71       | S-18 5'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-72       | S-18 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-73       | S-27 1'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-74       | S-27 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-75       | S-27 5'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-76       | S-27 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-77       | S-35 1'                | Soluble   | Solid  | 300.0  | 8907       |
| MB 880-8907/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8907       |
| LCS 880-8907/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8907       |
| LCSD 880-8907/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-58 MS    | S-15 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-58 MSD   | S-15 3'                | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-68 MS    | S-17 10'               | Soluble   | Solid  | 300.0  | 8907       |
| 880-6758-68 MSD   | S-17 10'               | Soluble   | Solid  | 300.0  | 8907       |

## Analysis Batch: 9159

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-78   | S-35 3'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-79   | S-35 5'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-80   | S-35 10'         | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-81   | S-34 1'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-82   | S-34 3'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-83   | S-34 5'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-84   | S-34 10'         | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-85   | S-36 1'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-86   | S-36 3'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-87   | S-36 5'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-88   | S-36 10'         | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-89   | S-37 1'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-90   | S-37 3'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-91   | S-37 5'          | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-92   | S-37 10'         | Soluble   | Solid  | 300.0  | 8910       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 9159 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-93       | S-19 1'                | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-94       | S-19 3'                | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-95       | S-19 5'                | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-96       | S-19 10'               | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-97       | S-20 1'                | Soluble   | Solid  | 300.0  | 8910       |
| MB 880-8910/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8910       |
| LCS 880-8910/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8910       |
| LCSD 880-8910/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-78 MS    | S-35 3'                | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-78 MSD   | S-35 3'                | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-88 MS    | S-36 10'               | Soluble   | Solid  | 300.0  | 8910       |
| 880-6758-88 MSD   | S-36 10'               | Soluble   | Solid  | 300.0  | 8910       |

## Analysis Batch: 9160

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-98       | S-20 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-99       | S-20 5'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-100      | S-20 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-101      | S-21 1'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-102      | S-21 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-103      | S-21 5'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-104      | S-21 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-105      | S-22 1'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-106      | S-22 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-107      | S-22 5'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-108      | S-22 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-109      | S-31 1'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-110      | S-31 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-111      | S-31 5'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-112      | S-31 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-113      | S-32 1'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-114      | S-32 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-115      | S-32 5'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-116      | S-32 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-117      | S-29 1'                | Soluble   | Solid  | 300.0  | 8913       |
| MB 880-8913/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8913       |
| LCS 880-8913/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8913       |
| LCSD 880-8913/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-98 MS    | S-20 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-98 MSD   | S-20 3'                | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-108 MS   | S-22 10'               | Soluble   | Solid  | 300.0  | 8913       |
| 880-6758-108 MSD  | S-22 10'               | Soluble   | Solid  | 300.0  | 8913       |

## Analysis Batch: 9161

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-6758-118  | S-29 3'          | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-119  | S-29 5'          | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-120  | S-29 10'         | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-121  | S-30 1'          | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-122  | S-30 3'          | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-123  | S-30 5'          | Soluble   | Solid  | 300.0  | 8914       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 9161 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-6758-124      | S-30 10'               | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-125      | S-33 1'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-126      | S-33 3'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-127      | S-33 5'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-128      | S-33 10'               | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-129      | S-26 1'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-130      | S-26 3'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-131      | S-26 5'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-132      | S-26 10'               | Soluble   | Solid  | 300.0  | 8914       |
| MB 880-8914/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 8914       |
| LCS 880-8914/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 8914       |
| LCSD 880-8914/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-118 MS   | S-29 3'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-118 MSD  | S-29 3'                | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-128 MS   | S-33 10'               | Soluble   | Solid  | 300.0  | 8914       |
| 880-6758-128 MSD  | S-33 10'               | Soluble   | Solid  | 300.0  | 8914       |

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-1 1'

Lab Sample ID: 880-6758-1

Date Collected: 09/27/21 12:20

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 16:12       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 15:45       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 20:13       | CH      | XEN MID |

Client Sample ID: S-1 3'

Lab Sample ID: 880-6758-2

Date Collected: 09/27/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 16:33       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 16:29       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 20:19       | CH      | XEN MID |

Client Sample ID: S-1 5'

Lab Sample ID: 880-6758-3

Date Collected: 09/27/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 16:54       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 16:51       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 20:25       | CH      | XEN MID |

Client Sample ID: S-1 10'

Lab Sample ID: 880-6758-4

Date Collected: 09/27/21 12:23

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 17:14       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-1 10'

Lab Sample ID: 880-6758-4

Date Collected: 09/27/21 12:23

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 17:13       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 20:44       | CH      | XEN MID |

Client Sample ID: S-2 1'

Lab Sample ID: 880-6758-5

Date Collected: 09/27/21 13:00

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 17:35       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 17:35       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 20:50       | CH      | XEN MID |

Client Sample ID: S-2 3'

Lab Sample ID: 880-6758-6

Date Collected: 09/27/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 17:56       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 17:57       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:09       | CH      | XEN MID |

Client Sample ID: S-2 5'

Lab Sample ID: 880-6758-7

Date Collected: 09/27/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 18:17       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 18:19       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-2 5'

Lab Sample ID: 880-6758-7

Date Collected: 09/27/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:15       | CH      | XEN MID |

Client Sample ID: S-2 10'

Lab Sample ID: 880-6758-8

Date Collected: 09/27/21 13:03

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 18:37       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 18:41       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:21       | CH      | XEN MID |

Client Sample ID: S-3 1'

Lab Sample ID: 880-6758-9

Date Collected: 09/27/21 13:30

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 18:58       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 12:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:28       | CH      | XEN MID |

Client Sample ID: S-3 3'

Lab Sample ID: 880-6758-10

Date Collected: 09/27/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 19:19       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 14:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:34       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-3 5'

Lab Sample ID: 880-6758-11

Date Collected: 09/27/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 20:42       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 14:23       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:40       | CH      | XEN MID |

Client Sample ID: S-3 10'

Lab Sample ID: 880-6758-12

Date Collected: 09/27/21 13:33

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 21:03       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 14:45       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8899         | 10/05/21 10:54       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9066         | 10/07/21 21:46       | CH      | XEN MID |

Client Sample ID: S-4 1'

Lab Sample ID: 880-6758-13

Date Collected: 09/27/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 21:23       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 15:07       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 17:31       | CH      | XEN MID |

Client Sample ID: S-4 3'

Lab Sample ID: 880-6758-14

Date Collected: 09/27/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 21:44       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-4 3'

Lab Sample ID: 880-6758-14

Date Collected: 09/27/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 15:29       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 17:48       | CH      | XEN MID |

Client Sample ID: S-4 5'

Lab Sample ID: 880-6758-15

Date Collected: 09/27/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 22:05       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 15:50       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 17:53       | CH      | XEN MID |

Client Sample ID: S-4 10'

Lab Sample ID: 880-6758-16

Date Collected: 09/27/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 22:25       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 16:12       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 17:59       | CH      | XEN MID |

Client Sample ID: S-5 1'

Lab Sample ID: 880-6758-17

Date Collected: 09/27/21 14:10

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 22:46       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 16:34       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-5 1'

Lab Sample ID: 880-6758-17

Date Collected: 09/27/21 14:10

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:04       | CH      | XEN MID |

Client Sample ID: S-5 3'

Lab Sample ID: 880-6758-18

Date Collected: 09/27/21 14:11

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 23:07       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 16:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:21       | CH      | XEN MID |

Client Sample ID: S-5 5'

Lab Sample ID: 880-6758-19

Date Collected: 09/27/21 14:12

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 23:27       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 17:40       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:27       | CH      | XEN MID |

Client Sample ID: S-5 10'

Lab Sample ID: 880-6758-20

Date Collected: 09/27/21 14:13

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 8844         | 10/04/21 14:20       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/08/21 23:48       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 8978         | 10/06/21 13:31       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9021         | 10/07/21 18:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:32       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-6 1'

Lab Sample ID: 880-6758-21

Date Collected: 09/28/21 08:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 03:13       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 14:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:38       | CH      | XEN MID |

Client Sample ID: S-6 3'

Lab Sample ID: 880-6758-22

Date Collected: 09/28/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 03:33       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 12:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:44       | CH      | XEN MID |

Client Sample ID: S-6 5'

Lab Sample ID: 880-6758-23

Date Collected: 09/28/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 03:54       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 14:23       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 18:49       | CH      | XEN MID |

Client Sample ID: S-6 10'

Lab Sample ID: 880-6758-24

Date Collected: 09/28/21 08:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 04:15       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-6 10'

Lab Sample ID: 880-6758-24

Date Collected: 09/28/21 08:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 14:45       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:06       | CH      | XEN MID |

Client Sample ID: S-7 1'

Lab Sample ID: 880-6758-25

Date Collected: 09/28/21 09:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 04:35       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 15:07       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:12       | CH      | XEN MID |

Client Sample ID: S-7 3'

Lab Sample ID: 880-6758-26

Date Collected: 09/28/21 09:16

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 04:56       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 15:29       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:29       | CH      | XEN MID |

Client Sample ID: S-7 5'

Lab Sample ID: 880-6758-27

Date Collected: 09/28/21 09:17

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 05:17       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 15:50       | AJ      | XEN MID |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

**Client Sample ID: S-7 5'****Lab Sample ID: 880-6758-27****Date Collected: 09/28/21 09:17****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:35       | CH      | XEN MID |

**Client Sample ID: S-7 10'****Lab Sample ID: 880-6758-28****Date Collected: 09/28/21 09:18****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 05:38       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 16:12       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:40       | CH      | XEN MID |

**Client Sample ID: S-8 1'****Lab Sample ID: 880-6758-29****Date Collected: 09/28/21 09:55****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 05:58       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 16:34       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9155         | 10/08/21 19:46       | CH      | XEN MID |

**Client Sample ID: S-8 3'****Lab Sample ID: 880-6758-30****Date Collected: 09/28/21 09:56****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 06:19       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 16:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:51       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-8 5'

Lab Sample ID: 880-6758-31

Date Collected: 09/28/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 07:42       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 17:40       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 19:57       | CH      | XEN MID |

Client Sample ID: S-8 10'

Lab Sample ID: 880-6758-32

Date Collected: 09/28/21 09:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 08:03       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 18:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8901         | 10/05/21 10:58       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9155         | 10/08/21 20:03       | CH      | XEN MID |

Client Sample ID: S-9 1'

Lab Sample ID: 880-6758-33

Date Collected: 09/28/21 10:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 08:24       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 18:22       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 13:22       | CH      | XEN MID |

Client Sample ID: S-9 3'

Lab Sample ID: 880-6758-34

Date Collected: 09/28/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 08:45       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-9 3'

Lab Sample ID: 880-6758-34

Date Collected: 09/28/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 18:44       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 13:39       | CH      | XEN MID |

Client Sample ID: S-9 5'

Lab Sample ID: 880-6758-35

Date Collected: 09/28/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 09:06       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 19:06       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 13:45       | CH      | XEN MID |

Client Sample ID: S-9 10'

Lab Sample ID: 880-6758-36

Date Collected: 09/28/21 10:18

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 09:26       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 19:27       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 13:50       | CH      | XEN MID |

Client Sample ID: S-10 1'

Lab Sample ID: 880-6758-37

Date Collected: 09/28/21 10:30

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 09:47       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 19:49       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-10 1'

Lab Sample ID: 880-6758-37

Date Collected: 09/28/21 10:30

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 13:56       | CH      | XEN MID |

Client Sample ID: S-10 3'

Lab Sample ID: 880-6758-38

Date Collected: 09/28/21 10:31

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 10:08       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 20:10       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:13       | CH      | XEN MID |

Client Sample ID: S-10 5'

Lab Sample ID: 880-6758-39

Date Collected: 09/28/21 10:32

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 10:28       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 20:32       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9156         | 10/09/21 14:18       | CH      | XEN MID |

Client Sample ID: S-10 10'

Lab Sample ID: 880-6758-40

Date Collected: 09/28/21 10:33

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 g          | 8846         | 10/04/21 14:23       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 10:49       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8979         | 10/06/21 13:47       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9023         | 10/07/21 20:53       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:24       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-11 1'

Lab Sample ID: 880-6758-41

Date Collected: 09/28/21 10:50

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 14:13       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 11:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:29       | CH      | XEN MID |

Client Sample ID: S-11 3'

Lab Sample ID: 880-6758-42

Date Collected: 09/28/21 10:51

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 14:34       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 12:04       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:35       | CH      | XEN MID |

Client Sample ID: S-11 5'

Lab Sample ID: 880-6758-43

Date Collected: 09/28/21 10:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 14:55       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 12:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:41       | CH      | XEN MID |

Client Sample ID: S-11 10'

Lab Sample ID: 880-6758-44

Date Collected: 09/28/21 10:53

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 15:16       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-11 10'

Lab Sample ID: 880-6758-44

Date Collected: 09/28/21 10:53

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 12:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8905         | 10/05/21 11:04       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9156         | 10/09/21 14:58       | CH      | XEN MID |

Client Sample ID: S-12 1'

Lab Sample ID: 880-6758-45

Date Collected: 09/28/21 12:20

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 15:36       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 13:09       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9157         | 10/09/21 16:39       | CH      | XEN MID |

Client Sample ID: S-12 3'

Lab Sample ID: 880-6758-46

Date Collected: 09/28/21 12:21

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 15:57       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 13:32       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9157         | 10/09/21 16:56       | CH      | XEN MID |

Client Sample ID: S-12 5'

Lab Sample ID: 880-6758-47

Date Collected: 09/28/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 16:18       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 13:54       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-12 5'

Lab Sample ID: 880-6758-47

Date Collected: 09/28/21 12:22

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 17:02       | CH      | XEN MID |

Client Sample ID: S-12 10'

Lab Sample ID: 880-6758-48

Date Collected: 09/28/21 12:23

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 16:39       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 14:15       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 17:07       | CH      | XEN MID |

Client Sample ID: S-13 1'

Lab Sample ID: 880-6758-49

Date Collected: 09/28/21 12:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 16:59       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 14:37       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9157         | 10/09/21 17:13       | CH      | XEN MID |

Client Sample ID: S-13 3'

Lab Sample ID: 880-6758-50

Date Collected: 09/28/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 17:20       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 14:59       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9157         | 10/09/21 17:30       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-13 5'

Lab Sample ID: 880-6758-51

Date Collected: 09/28/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 18:43       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 15:42       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 17:35       | CH      | XEN MID |

Client Sample ID: S-13 10'

Lab Sample ID: 880-6758-52

Date Collected: 09/28/21 12:38

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 19:03       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 16:04       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 17:41       | CH      | XEN MID |

Client Sample ID: S-14 1'

Lab Sample ID: 880-6758-53

Date Collected: 09/28/21 12:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 19:24       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 16:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 9157         | 10/09/21 17:46       | CH      | XEN MID |

Client Sample ID: S-14 3'

Lab Sample ID: 880-6758-54

Date Collected: 09/28/21 12:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 19:45       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-14 3'

Lab Sample ID: 880-6758-54

Date Collected: 09/28/21 12:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 16:47       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9157         | 10/09/21 17:52       | CH      | XEN MID |

Client Sample ID: S-14 5'

Lab Sample ID: 880-6758-55

Date Collected: 09/28/21 12:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 20:06       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 17:09       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 17:58       | CH      | XEN MID |

Client Sample ID: S-14 10'

Lab Sample ID: 880-6758-56

Date Collected: 09/28/21 12:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 20:27       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 17:32       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 18:15       | CH      | XEN MID |

Client Sample ID: S-15 1'

Lab Sample ID: 880-6758-57

Date Collected: 09/28/21 13:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 20:47       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 17:53       | AJ      | XEN MID |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

**Client Sample ID: S-15 1'****Lab Sample ID: 880-6758-57****Date Collected: 09/28/21 13:15****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8906         | 10/05/21 11:05       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9157         | 10/09/21 18:20       | CH      | XEN MID |

**Client Sample ID: S-15 3'****Lab Sample ID: 880-6758-58****Date Collected: 09/28/21 13:16****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 21:08       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 18:15       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 19:56       | CH      | XEN MID |

**Client Sample ID: S-15 5'****Lab Sample ID: 880-6758-59****Date Collected: 09/28/21 13:17****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 21:29       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 18:37       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:13       | CH      | XEN MID |

**Client Sample ID: S-15 10'****Lab Sample ID: 880-6758-60****Date Collected: 09/28/21 13:18****Matrix: Solid****Date Received: 10/04/21 10:23**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8847         | 10/04/21 14:25       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/09/21 21:49       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/08/21 16:26       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9033         | 10/07/21 08:37       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9025         | 10/07/21 18:59       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:19       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-16 1'

Lab Sample ID: 880-6758-61

Date Collected: 09/28/21 13:30

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 02:53       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 11:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:24       | CH      | XEN MID |

Client Sample ID: S-16 3'

Lab Sample ID: 880-6758-62

Date Collected: 09/28/21 13:31

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 03:13       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 12:04       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:30       | CH      | XEN MID |

Client Sample ID: S-16 5'

Lab Sample ID: 880-6758-63

Date Collected: 09/28/21 13:32

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 03:33       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 12:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:47       | CH      | XEN MID |

Client Sample ID: S-16 10'

Lab Sample ID: 880-6758-64

Date Collected: 09/28/21 13:33

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 03:54       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-16 10'

Lab Sample ID: 880-6758-64

Date Collected: 09/28/21 13:33

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 12:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:52       | CH      | XEN MID |

Client Sample ID: S-17 1'

Lab Sample ID: 880-6758-65

Date Collected: 09/28/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 04:14       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 13:09       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 20:58       | CH      | XEN MID |

Client Sample ID: S-17 3'

Lab Sample ID: 880-6758-66

Date Collected: 09/28/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 04:35       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 13:32       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:04       | CH      | XEN MID |

Client Sample ID: S-17 5'

Lab Sample ID: 880-6758-67

Date Collected: 09/28/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 04:55       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 13:54       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-17 5'

Lab Sample ID: 880-6758-67

Date Collected: 09/28/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:09       | CH      | XEN MID |

Client Sample ID: S-17 10'

Lab Sample ID: 880-6758-68

Date Collected: 09/28/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 05:15       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 14:15       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:15       | CH      | XEN MID |

Client Sample ID: S-18 1'

Lab Sample ID: 880-6758-69

Date Collected: 09/28/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 05:36       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 14:37       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:32       | CH      | XEN MID |

Client Sample ID: S-18 3'

Lab Sample ID: 880-6758-70

Date Collected: 09/28/21 14:06

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 05:56       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 14:59       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:37       | CH      | XEN MID |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-18 5'

Lab Sample ID: 880-6758-71

Date Collected: 09/28/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 07:18       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 15:42       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 21:54       | CH      | XEN MID |

Client Sample ID: S-18 10'

Lab Sample ID: 880-6758-72

Date Collected: 09/28/21 14:08

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 07:39       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 16:04       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:00       | CH      | XEN MID |

Client Sample ID: S-27 1'

Lab Sample ID: 880-6758-73

Date Collected: 09/29/21 08:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 07:59       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 16:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:05       | CH      | XEN MID |

Client Sample ID: S-27 3'

Lab Sample ID: 880-6758-74

Date Collected: 09/29/21 08:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 08:20       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-27 3'

Lab Sample ID: 880-6758-74

Date Collected: 09/29/21 08:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 16:47       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:11       | CH      | XEN MID |

Client Sample ID: S-27 5'

Lab Sample ID: 880-6758-75

Date Collected: 09/29/21 08:37

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 08:40       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 17:09       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:17       | CH      | XEN MID |

Client Sample ID: S-27 10'

Lab Sample ID: 880-6758-76

Date Collected: 09/29/21 08:38

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 09:01       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 17:32       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:22       | CH      | XEN MID |

Client Sample ID: S-35 1'

Lab Sample ID: 880-6758-77

Date Collected: 09/29/21 08:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 09:21       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 17:53       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-35 1'

Lab Sample ID: 880-6758-77

Date Collected: 09/29/21 08:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 8907         | 10/05/21 11:08       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9158         | 10/09/21 22:28       | CH      | XEN MID |

Client Sample ID: S-35 3'

Lab Sample ID: 880-6758-78

Date Collected: 09/29/21 08:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 09:41       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 18:15       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/09/21 23:13       | CH      | XEN MID |

Client Sample ID: S-35 5'

Lab Sample ID: 880-6758-79

Date Collected: 09/29/21 08:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 10:02       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 18:37       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/09/21 23:29       | CH      | XEN MID |

Client Sample ID: S-35 10'

Lab Sample ID: 880-6758-80

Date Collected: 09/29/21 08:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8850         | 10/04/21 14:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 10:22       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9036         | 10/07/21 08:53       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9027         | 10/07/21 18:59       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/09/21 23:35       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-34 1'

Lab Sample ID: 880-6758-81

Date Collected: 09/29/21 09:21

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 13:45       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 11:39       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/09/21 23:41       | CH      | XEN MID |

Client Sample ID: S-34 3'

Lab Sample ID: 880-6758-82

Date Collected: 09/29/21 09:22

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 14:05       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 12:43       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/09/21 23:46       | CH      | XEN MID |

Client Sample ID: S-34 5'

Lab Sample ID: 880-6758-83

Date Collected: 09/29/21 09:23

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 14:26       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 13:05       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:03       | CH      | XEN MID |

Client Sample ID: S-34 10'

Lab Sample ID: 880-6758-84

Date Collected: 09/29/21 09:24

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 14:46       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-34 10'

Lab Sample ID: 880-6758-84

Date Collected: 09/29/21 09:24

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 13:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:09       | CH      | XEN MID |

Client Sample ID: S-36 1'

Lab Sample ID: 880-6758-85

Date Collected: 09/29/21 09:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 15:07       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 13:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:14       | CH      | XEN MID |

Client Sample ID: S-36 3'

Lab Sample ID: 880-6758-86

Date Collected: 09/29/21 09:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 15:27       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 14:10       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:20       | CH      | XEN MID |

Client Sample ID: S-36 5'

Lab Sample ID: 880-6758-87

Date Collected: 09/29/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 15:47       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 14:31       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-36 5'

Lab Sample ID: 880-6758-87

Date Collected: 09/29/21 09:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:25       | CH      | XEN MID |

Client Sample ID: S-36 10'

Lab Sample ID: 880-6758-88

Date Collected: 09/29/21 09:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 16:08       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 14:53       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:31       | CH      | XEN MID |

Client Sample ID: S-37 1'

Lab Sample ID: 880-6758-89

Date Collected: 09/29/21 10:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 16:28       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:03       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 15:14       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:48       | CH      | XEN MID |

Client Sample ID: S-37 3'

Lab Sample ID: 880-6758-90

Date Collected: 09/29/21 10:16

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 16:49       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 15:36       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 00:54       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-37 5'

Lab Sample ID: 880-6758-91

Date Collected: 09/29/21 10:17

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 18:11       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 16:20       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:11       | CH      | XEN MID |

Client Sample ID: S-37 10'

Lab Sample ID: 880-6758-92

Date Collected: 09/29/21 10:18

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 18:31       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 16:42       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:16       | CH      | XEN MID |

Client Sample ID: S-19 1'

Lab Sample ID: 880-6758-93

Date Collected: 09/29/21 10:34

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 18:52       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 17:05       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:22       | CH      | XEN MID |

Client Sample ID: S-19 3'

Lab Sample ID: 880-6758-94

Date Collected: 09/29/21 10:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 19:12       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-19 3'

Lab Sample ID: 880-6758-94

Date Collected: 09/29/21 10:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 17:27       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:27       | CH      | XEN MID |

Client Sample ID: S-19 5'

Lab Sample ID: 880-6758-95

Date Collected: 09/29/21 10:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 19:33       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 17:49       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:33       | CH      | XEN MID |

Client Sample ID: S-19 10'

Lab Sample ID: 880-6758-96

Date Collected: 09/29/21 10:37

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 19:53       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 18:11       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9159         | 10/10/21 01:39       | CH      | XEN MID |

Client Sample ID: S-20 1'

Lab Sample ID: 880-6758-97

Date Collected: 09/29/21 10:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 20:13       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 18:33       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-20 1'

Lab Sample ID: 880-6758-97

Date Collected: 09/29/21 10:55

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8910         | 10/05/21 11:11       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9159         | 10/10/21 01:44       | CH      | XEN MID |

Client Sample ID: S-20 3'

Lab Sample ID: 880-6758-98

Date Collected: 09/29/21 10:56

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 20:34       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 18:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 14:04       | CH      | XEN MID |

Client Sample ID: S-20 5'

Lab Sample ID: 880-6758-99

Date Collected: 09/29/21 10:57

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 20:54       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 19:18       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 14:25       | CH      | XEN MID |

Client Sample ID: S-20 10'

Lab Sample ID: 880-6758-100

Date Collected: 09/29/21 10:58

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8852         | 10/04/21 14:35       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9112         | 10/10/21 21:15       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9139         | 10/11/21 10:24       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9050         | 10/07/21 10:23       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9147         | 10/09/21 19:40       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 14:32       | CH      | XEN MID |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-21 1'

Lab Sample ID: 880-6758-101

Date Collected: 09/29/21 11:10

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 01:14       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 11:39       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 14:40       | CH      | XEN MID |

Client Sample ID: S-21 3'

Lab Sample ID: 880-6758-102

Date Collected: 09/29/21 11:11

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 01:34       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 12:43       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 14:47       | CH      | XEN MID |

Client Sample ID: S-21 5'

Lab Sample ID: 880-6758-103

Date Collected: 09/29/21 11:12

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 01:55       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 13:05       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 15:08       | CH      | XEN MID |

Client Sample ID: S-21 10'

Lab Sample ID: 880-6758-104

Date Collected: 09/29/21 11:13

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 02:16       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-21 10'

Lab Sample ID: 880-6758-104

Date Collected: 09/29/21 11:13

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 13:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 15:15       | CH      | XEN MID |

Client Sample ID: S-22 1'

Lab Sample ID: 880-6758-105

Date Collected: 09/29/21 12:10

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 02:36       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 13:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9160         | 10/11/21 09:40       | CH      | XEN MID |

Client Sample ID: S-22 3'

Lab Sample ID: 880-6758-106

Date Collected: 09/29/21 12:11

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8853         | 10/04/21 14:37       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 02:57       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 14:10       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/11/21 09:33       | CH      | XEN MID |

Client Sample ID: S-22 5'

Lab Sample ID: 880-6758-107

Date Collected: 09/29/21 12:12

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 03:18       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 14:31       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-22 5'

Lab Sample ID: 880-6758-107

Date Collected: 09/29/21 12:12

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 15:31       | CH      | XEN MID |

Client Sample ID: S-22 10'

Lab Sample ID: 880-6758-108

Date Collected: 09/29/21 12:13

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 03:38       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 14:53       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 15:38       | CH      | XEN MID |

Client Sample ID: S-31 1'

Lab Sample ID: 880-6758-109

Date Collected: 09/29/21 12:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 03:59       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 15:14       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 15:59       | CH      | XEN MID |

Client Sample ID: S-31 3'

Lab Sample ID: 880-6758-110

Date Collected: 09/29/21 12:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 04:20       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 15:36       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9160         | 10/09/21 16:07       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-31 5'

Lab Sample ID: 880-6758-111

Date Collected: 09/29/21 12:37

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 05:42       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 16:20       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 16:28       | CH      | XEN MID |

Client Sample ID: S-31 10'

Lab Sample ID: 880-6758-112

Date Collected: 09/29/21 12:38

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 06:03       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 16:42       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 16:35       | CH      | XEN MID |

Client Sample ID: S-32 1'

Lab Sample ID: 880-6758-113

Date Collected: 09/29/21 13:00

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 06:23       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 17:05       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 16:42       | CH      | XEN MID |

Client Sample ID: S-32 3'

Lab Sample ID: 880-6758-114

Date Collected: 09/29/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 06:44       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-32 3'

Lab Sample ID: 880-6758-114

Date Collected: 09/29/21 13:01

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 17:27       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 16:49       | CH      | XEN MID |

Client Sample ID: S-32 5'

Lab Sample ID: 880-6758-115

Date Collected: 09/29/21 13:02

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 07:05       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 17:49       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 16:57       | CH      | XEN MID |

Client Sample ID: S-32 10'

Lab Sample ID: 880-6758-116

Date Collected: 09/29/21 13:03

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 07:26       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 18:11       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 17:04       | CH      | XEN MID |

Client Sample ID: S-29 1'

Lab Sample ID: 880-6758-117

Date Collected: 09/29/21 13:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 07:46       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 18:33       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-29 1'

Lab Sample ID: 880-6758-117

Date Collected: 09/29/21 13:15

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8913         | 10/05/21 11:17       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9160         | 10/09/21 17:11       | CH      | XEN MID |

Client Sample ID: S-29 3'

Lab Sample ID: 880-6758-118

Date Collected: 09/29/21 13:16

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 08:07       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 18:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 18:08       | CH      | XEN MID |

Client Sample ID: S-29 5'

Lab Sample ID: 880-6758-119

Date Collected: 09/29/21 13:17

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 08:28       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 19:18       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 18:30       | CH      | XEN MID |

Client Sample ID: S-29 10'

Lab Sample ID: 880-6758-120

Date Collected: 09/29/21 13:18

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8853         | 10/04/21 14:38       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 08:49       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9051         | 10/07/21 10:35       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9149         | 10/09/21 19:40       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 18:37       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-30 1'

Lab Sample ID: 880-6758-121

Date Collected: 09/29/21 13:35

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 12:14       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 16:04       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 18:44       | CH      | XEN MID |

Client Sample ID: S-30 3'

Lab Sample ID: 880-6758-122

Date Collected: 09/29/21 13:36

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 12:35       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 16:26       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9161         | 10/11/21 10:08       | CH      | XEN MID |

Client Sample ID: S-30 5'

Lab Sample ID: 880-6758-123

Date Collected: 09/29/21 13:37

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 12:56       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 16:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:13       | CH      | XEN MID |

Client Sample ID: S-30 10'

Lab Sample ID: 880-6758-124

Date Collected: 09/29/21 13:38

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 13:17       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-30 10'

Lab Sample ID: 880-6758-124

Date Collected: 09/29/21 13:38

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 17:11       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:20       | CH      | XEN MID |

Client Sample ID: S-33 1'

Lab Sample ID: 880-6758-125

Date Collected: 09/29/21 13:50

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 13:38       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 17:33       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:27       | CH      | XEN MID |

Client Sample ID: S-33 3'

Lab Sample ID: 880-6758-126

Date Collected: 09/29/21 13:51

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 13:58       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 18:18       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:34       | CH      | XEN MID |

Client Sample ID: S-33 5'

Lab Sample ID: 880-6758-127

Date Collected: 09/29/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 14:19       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 18:40       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-33 5'

Lab Sample ID: 880-6758-127

Date Collected: 09/29/21 13:52

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:41       | CH      | XEN MID |

Client Sample ID: S-33 10'

Lab Sample ID: 880-6758-128

Date Collected: 09/29/21 13:53

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 19:01       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 19:49       | CH      | XEN MID |

Client Sample ID: S-26 1'

Lab Sample ID: 880-6758-129

Date Collected: 09/29/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 15:01       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9090         | 10/08/21 08:25       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9082         | 10/08/21 19:23       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 20:10       | CH      | XEN MID |

Client Sample ID: S-26 3'

Lab Sample ID: 880-6758-130

Date Collected: 09/29/21 14:05

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 15:21       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 19:02       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 20:17       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Client Sample ID: S-26 5'

Lab Sample ID: 880-6758-131

Date Collected: 09/29/21 14:07

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 16:44       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 19:24       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 20:39       | CH      | XEN MID |

Client Sample ID: S-26 10'

Lab Sample ID: 880-6758-132

Date Collected: 09/29/21 14:08

Matrix: Solid

Date Received: 10/04/21 10:23

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 8854         | 10/04/21 14:40       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9113         | 10/10/21 17:05       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 9138         | 10/11/21 10:32       | KL      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9044         | 10/07/21 09:11       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 8917         | 10/05/21 11:42       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 8955         | 10/06/21 19:46       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 8914         | 10/05/21 11:20       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9161         | 10/09/21 20:46       | CH      | XEN MID |

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-21-22      | 06-30-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

## Method Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | XEN MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | XEN MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | XEN MID    |
| 5035        | Closed System Purge and Trap       | SW846    | XEN MID    |
| 8015NM Prep | Microextraction                    | SW846    | XEN MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | XEN MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-6758-1    | S-1 1'           | Solid  | 09/27/21 12:20 | 10/04/21 10:23 |
| 880-6758-2    | S-1 3'           | Solid  | 09/27/21 12:21 | 10/04/21 10:23 |
| 880-6758-3    | S-1 5'           | Solid  | 09/27/21 12:22 | 10/04/21 10:23 |
| 880-6758-4    | S-1 10'          | Solid  | 09/27/21 12:23 | 10/04/21 10:23 |
| 880-6758-5    | S-2 1'           | Solid  | 09/27/21 13:00 | 10/04/21 10:23 |
| 880-6758-6    | S-2 3'           | Solid  | 09/27/21 13:01 | 10/04/21 10:23 |
| 880-6758-7    | S-2 5'           | Solid  | 09/27/21 13:02 | 10/04/21 10:23 |
| 880-6758-8    | S-2 10'          | Solid  | 09/27/21 13:03 | 10/04/21 10:23 |
| 880-6758-9    | S-3 1'           | Solid  | 09/27/21 13:30 | 10/04/21 10:23 |
| 880-6758-10   | S-3 3'           | Solid  | 09/27/21 13:31 | 10/04/21 10:23 |
| 880-6758-11   | S-3 5'           | Solid  | 09/27/21 13:32 | 10/04/21 10:23 |
| 880-6758-12   | S-3 10'          | Solid  | 09/27/21 13:33 | 10/04/21 10:23 |
| 880-6758-13   | S-4 1'           | Solid  | 09/27/21 13:50 | 10/04/21 10:23 |
| 880-6758-14   | S-4 3'           | Solid  | 09/27/21 13:51 | 10/04/21 10:23 |
| 880-6758-15   | S-4 5'           | Solid  | 09/27/21 13:52 | 10/04/21 10:23 |
| 880-6758-16   | S-4 10'          | Solid  | 09/27/21 13:53 | 10/04/21 10:23 |
| 880-6758-17   | S-5 1'           | Solid  | 09/27/21 14:10 | 10/04/21 10:23 |
| 880-6758-18   | S-5 3'           | Solid  | 09/27/21 14:11 | 10/04/21 10:23 |
| 880-6758-19   | S-5 5'           | Solid  | 09/27/21 14:12 | 10/04/21 10:23 |
| 880-6758-20   | S-5 10'          | Solid  | 09/27/21 14:13 | 10/04/21 10:23 |
| 880-6758-21   | S-6 1'           | Solid  | 09/28/21 08:55 | 10/04/21 10:23 |
| 880-6758-22   | S-6 3'           | Solid  | 09/28/21 08:56 | 10/04/21 10:23 |
| 880-6758-23   | S-6 5'           | Solid  | 09/28/21 08:57 | 10/04/21 10:23 |
| 880-6758-24   | S-6 10'          | Solid  | 09/28/21 08:58 | 10/04/21 10:23 |
| 880-6758-25   | S-7 1'           | Solid  | 09/28/21 09:15 | 10/04/21 10:23 |
| 880-6758-26   | S-7 3'           | Solid  | 09/28/21 09:16 | 10/04/21 10:23 |
| 880-6758-27   | S-7 5'           | Solid  | 09/28/21 09:17 | 10/04/21 10:23 |
| 880-6758-28   | S-7 10'          | Solid  | 09/28/21 09:18 | 10/04/21 10:23 |
| 880-6758-29   | S-8 1'           | Solid  | 09/28/21 09:55 | 10/04/21 10:23 |
| 880-6758-30   | S-8 3'           | Solid  | 09/28/21 09:56 | 10/04/21 10:23 |
| 880-6758-31   | S-8 5'           | Solid  | 09/28/21 09:57 | 10/04/21 10:23 |
| 880-6758-32   | S-8 10'          | Solid  | 09/28/21 09:58 | 10/04/21 10:23 |
| 880-6758-33   | S-9 1'           | Solid  | 09/28/21 10:15 | 10/04/21 10:23 |
| 880-6758-34   | S-9 3'           | Solid  | 09/28/21 10:16 | 10/04/21 10:23 |
| 880-6758-35   | S-9 5'           | Solid  | 09/28/21 10:17 | 10/04/21 10:23 |
| 880-6758-36   | S-9 10'          | Solid  | 09/28/21 10:18 | 10/04/21 10:23 |
| 880-6758-37   | S-10 1'          | Solid  | 09/28/21 10:30 | 10/04/21 10:23 |
| 880-6758-38   | S-10 3'          | Solid  | 09/28/21 10:31 | 10/04/21 10:23 |
| 880-6758-39   | S-10 5'          | Solid  | 09/28/21 10:32 | 10/04/21 10:23 |
| 880-6758-40   | S-10 10'         | Solid  | 09/28/21 10:33 | 10/04/21 10:23 |
| 880-6758-41   | S-11 1'          | Solid  | 09/28/21 10:50 | 10/04/21 10:23 |
| 880-6758-42   | S-11 3'          | Solid  | 09/28/21 10:51 | 10/04/21 10:23 |
| 880-6758-43   | S-11 5'          | Solid  | 09/28/21 10:52 | 10/04/21 10:23 |
| 880-6758-44   | S-11 10'         | Solid  | 09/28/21 10:53 | 10/04/21 10:23 |
| 880-6758-45   | S-12 1'          | Solid  | 09/28/21 12:20 | 10/04/21 10:23 |
| 880-6758-46   | S-12 3'          | Solid  | 09/28/21 12:21 | 10/04/21 10:23 |
| 880-6758-47   | S-12 5'          | Solid  | 09/28/21 12:22 | 10/04/21 10:23 |
| 880-6758-48   | S-12 10'         | Solid  | 09/28/21 12:23 | 10/04/21 10:23 |
| 880-6758-49   | S-13 1'          | Solid  | 09/28/21 12:35 | 10/04/21 10:23 |
| 880-6758-50   | S-13 3'          | Solid  | 09/28/21 12:36 | 10/04/21 10:23 |
| 880-6758-51   | S-13 5'          | Solid  | 09/28/21 12:37 | 10/04/21 10:23 |
| 880-6758-52   | S-13 10'         | Solid  | 09/28/21 12:38 | 10/04/21 10:23 |
| 880-6758-53   | S-14 1'          | Solid  | 09/28/21 12:55 | 10/04/21 10:23 |
| 880-6758-54   | S-14 3'          | Solid  | 09/28/21 12:56 | 10/04/21 10:23 |

## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-6758-55   | S-14 5'          | Solid  | 09/28/21 12:57 | 10/04/21 10:23 |
| 880-6758-56   | S-14 10'         | Solid  | 09/28/21 12:58 | 10/04/21 10:23 |
| 880-6758-57   | S-15 1'          | Solid  | 09/28/21 13:15 | 10/04/21 10:23 |
| 880-6758-58   | S-15 3'          | Solid  | 09/28/21 13:16 | 10/04/21 10:23 |
| 880-6758-59   | S-15 5'          | Solid  | 09/28/21 13:17 | 10/04/21 10:23 |
| 880-6758-60   | S-15 10'         | Solid  | 09/28/21 13:18 | 10/04/21 10:23 |
| 880-6758-61   | S-16 1'          | Solid  | 09/28/21 13:30 | 10/04/21 10:23 |
| 880-6758-62   | S-16 3'          | Solid  | 09/28/21 13:31 | 10/04/21 10:23 |
| 880-6758-63   | S-16 5'          | Solid  | 09/28/21 13:32 | 10/04/21 10:23 |
| 880-6758-64   | S-16 10'         | Solid  | 09/28/21 13:33 | 10/04/21 10:23 |
| 880-6758-65   | S-17 1'          | Solid  | 09/28/21 13:50 | 10/04/21 10:23 |
| 880-6758-66   | S-17 3'          | Solid  | 09/28/21 13:51 | 10/04/21 10:23 |
| 880-6758-67   | S-17 5'          | Solid  | 09/28/21 13:52 | 10/04/21 10:23 |
| 880-6758-68   | S-17 10'         | Solid  | 09/28/21 13:53 | 10/04/21 10:23 |
| 880-6758-69   | S-18 1'          | Solid  | 09/28/21 14:05 | 10/04/21 10:23 |
| 880-6758-70   | S-18 3'          | Solid  | 09/28/21 14:06 | 10/04/21 10:23 |
| 880-6758-71   | S-18 5'          | Solid  | 09/28/21 14:07 | 10/04/21 10:23 |
| 880-6758-72   | S-18 10'         | Solid  | 09/28/21 14:08 | 10/04/21 10:23 |
| 880-6758-73   | S-27 1'          | Solid  | 09/29/21 08:35 | 10/04/21 10:23 |
| 880-6758-74   | S-27 3'          | Solid  | 09/29/21 08:36 | 10/04/21 10:23 |
| 880-6758-75   | S-27 5'          | Solid  | 09/29/21 08:37 | 10/04/21 10:23 |
| 880-6758-76   | S-27 10'         | Solid  | 09/29/21 08:38 | 10/04/21 10:23 |
| 880-6758-77   | S-35 1'          | Solid  | 09/29/21 08:55 | 10/04/21 10:23 |
| 880-6758-78   | S-35 3'          | Solid  | 09/29/21 08:56 | 10/04/21 10:23 |
| 880-6758-79   | S-35 5'          | Solid  | 09/29/21 08:57 | 10/04/21 10:23 |
| 880-6758-80   | S-35 10'         | Solid  | 09/29/21 08:58 | 10/04/21 10:23 |
| 880-6758-81   | S-34 1'          | Solid  | 09/29/21 09:21 | 10/04/21 10:23 |
| 880-6758-82   | S-34 3'          | Solid  | 09/29/21 09:22 | 10/04/21 10:23 |
| 880-6758-83   | S-34 5'          | Solid  | 09/29/21 09:23 | 10/04/21 10:23 |
| 880-6758-84   | S-34 10'         | Solid  | 09/29/21 09:24 | 10/04/21 10:23 |
| 880-6758-85   | S-36 1'          | Solid  | 09/29/21 09:55 | 10/04/21 10:23 |
| 880-6758-86   | S-36 3'          | Solid  | 09/29/21 09:56 | 10/04/21 10:23 |
| 880-6758-87   | S-36 5'          | Solid  | 09/29/21 09:57 | 10/04/21 10:23 |
| 880-6758-88   | S-36 10'         | Solid  | 09/29/21 09:58 | 10/04/21 10:23 |
| 880-6758-89   | S-37 1'          | Solid  | 09/29/21 10:15 | 10/04/21 10:23 |
| 880-6758-90   | S-37 3'          | Solid  | 09/29/21 10:16 | 10/04/21 10:23 |
| 880-6758-91   | S-37 5'          | Solid  | 09/29/21 10:17 | 10/04/21 10:23 |
| 880-6758-92   | S-37 10'         | Solid  | 09/29/21 10:18 | 10/04/21 10:23 |
| 880-6758-93   | S-19 1'          | Solid  | 09/29/21 10:34 | 10/04/21 10:23 |
| 880-6758-94   | S-19 3'          | Solid  | 09/29/21 10:35 | 10/04/21 10:23 |
| 880-6758-95   | S-19 5'          | Solid  | 09/29/21 10:36 | 10/04/21 10:23 |
| 880-6758-96   | S-19 10'         | Solid  | 09/29/21 10:37 | 10/04/21 10:23 |
| 880-6758-97   | S-20 1'          | Solid  | 09/29/21 10:55 | 10/04/21 10:23 |
| 880-6758-98   | S-20 3'          | Solid  | 09/29/21 10:56 | 10/04/21 10:23 |
| 880-6758-99   | S-20 5'          | Solid  | 09/29/21 10:57 | 10/04/21 10:23 |
| 880-6758-100  | S-20 10'         | Solid  | 09/29/21 10:58 | 10/04/21 10:23 |
| 880-6758-101  | S-21 1'          | Solid  | 09/29/21 11:10 | 10/04/21 10:23 |
| 880-6758-102  | S-21 3'          | Solid  | 09/29/21 11:11 | 10/04/21 10:23 |
| 880-6758-103  | S-21 5'          | Solid  | 09/29/21 11:12 | 10/04/21 10:23 |
| 880-6758-104  | S-21 10'         | Solid  | 09/29/21 11:13 | 10/04/21 10:23 |
| 880-6758-105  | S-22 1'          | Solid  | 09/29/21 12:10 | 10/04/21 10:23 |
| 880-6758-106  | S-22 3'          | Solid  | 09/29/21 12:11 | 10/04/21 10:23 |
| 880-6758-107  | S-22 5'          | Solid  | 09/29/21 12:12 | 10/04/21 10:23 |
| 880-6758-108  | S-22 10'         | Solid  | 09/29/21 12:13 | 10/04/21 10:23 |

## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-6758-1  
SDG: 21-0100-24

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-6758-109  | S-31 1'          | Solid  | 09/29/21 12:35 | 10/04/21 10:23 |
| 880-6758-110  | S-31 3'          | Solid  | 09/29/21 12:36 | 10/04/21 10:23 |
| 880-6758-111  | S-31 5'          | Solid  | 09/29/21 12:37 | 10/04/21 10:23 |
| 880-6758-112  | S-31 10'         | Solid  | 09/29/21 12:38 | 10/04/21 10:23 |
| 880-6758-113  | S-32 1'          | Solid  | 09/29/21 13:00 | 10/04/21 10:23 |
| 880-6758-114  | S-32 3'          | Solid  | 09/29/21 13:01 | 10/04/21 10:23 |
| 880-6758-115  | S-32 5'          | Solid  | 09/29/21 13:02 | 10/04/21 10:23 |
| 880-6758-116  | S-32 10'         | Solid  | 09/29/21 13:03 | 10/04/21 10:23 |
| 880-6758-117  | S-29 1'          | Solid  | 09/29/21 13:15 | 10/04/21 10:23 |
| 880-6758-118  | S-29 3'          | Solid  | 09/29/21 13:16 | 10/04/21 10:23 |
| 880-6758-119  | S-29 5'          | Solid  | 09/29/21 13:17 | 10/04/21 10:23 |
| 880-6758-120  | S-29 10'         | Solid  | 09/29/21 13:18 | 10/04/21 10:23 |
| 880-6758-121  | S-30 1'          | Solid  | 09/29/21 13:35 | 10/04/21 10:23 |
| 880-6758-122  | S-30 3'          | Solid  | 09/29/21 13:36 | 10/04/21 10:23 |
| 880-6758-123  | S-30 5'          | Solid  | 09/29/21 13:37 | 10/04/21 10:23 |
| 880-6758-124  | S-30 10'         | Solid  | 09/29/21 13:38 | 10/04/21 10:23 |
| 880-6758-125  | S-33 1'          | Solid  | 09/29/21 13:50 | 10/04/21 10:23 |
| 880-6758-126  | S-33 3'          | Solid  | 09/29/21 13:51 | 10/04/21 10:23 |
| 880-6758-127  | S-33 5'          | Solid  | 09/29/21 13:52 | 10/04/21 10:23 |
| 880-6758-128  | S-33 10'         | Solid  | 09/29/21 13:53 | 10/04/21 10:23 |
| 880-6758-129  | S-26 1'          | Solid  | 09/29/21 14:05 | 10/04/21 10:23 |
| 880-6758-130  | S-26 3'          | Solid  | 09/29/21 14:05 | 10/04/21 10:23 |
| 880-6758-131  | S-26 5'          | Solid  | 09/29/21 14:07 | 10/04/21 10:23 |
| 880-6758-132  | S-26 10'         | Solid  | 09/29/21 14:08 | 10/04/21 10:23 |

10/11/2021

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No. 2112

10/11/2021

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No. 2147  
CHAIN-OF-CUSTODY

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No. 2148  
CHAIN-OF-CUSTODY

[illegible]

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**Varson & Associates, Inc.**  
Environmental Consultants

507 N Mainfield Ste 202  
Midland TX 79701  
432 687 0901

Data Reported to:

DATE 10-1-21 PO#            LAB WORK ORDER#            PAGE 6 OF 9  
PROJECT LOCATION OR NAME CineStone 14  
LAI PROJECT # 31-0100-24 COLLECTOR TP & MB

No. 2150  
CHAIN-OF-CUSTODY

| Field Sample ID | Lab # | Date   | Time | Matrix | # of Containers | PRESERVATION |                  |                                                                                       |     | UNPRESERVED | ANALYSES  |                                                                                                      | FIELD NOTES |
|-----------------|-------|--------|------|--------|-----------------|--------------|------------------|---------------------------------------------------------------------------------------|-----|-------------|-----------|------------------------------------------------------------------------------------------------------|-------------|
|                 |       |        |      |        |                 | HCl          | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> | ICE |             | BTEX-MTBE | TPH 418 <input type="checkbox"/> TPH 1005 <input type="checkbox"/> TPH 1006 <input type="checkbox"/> |             |
| 5-27 161        |       | 9-24-9 | 0838 | 5      | 1               |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-35 1'         |       |        | 0855 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-35 3'         |       |        | 0856 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-35 5'         |       |        | 0857 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-35 10         |       |        | 0858 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-34 1'         |       |        | 0921 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-34 3'         |       |        | 0922 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-34 5'         |       |        | 0923 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-34 10         |       |        | 0924 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-36 1'         |       |        | 0955 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-36 3'         |       |        | 0956 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-36 5'         |       |        | 0957 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-36 10         |       |        | 0958 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-37 1'         |       |        | 1015 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| 5-37 3'         |       |        | 1016 |        |                 |              |                  |                                                                                       |     | X           |           |                                                                                                      |             |
| TOTAL 15        |       |        |      |        |                 |              |                  |                                                                                       |     |             |           |                                                                                                      |             |

|                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                |                                            |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------|
| RELINQUISHED BY (Signature) <u>[Signature]</u>                                                                                                                                                                                                                                                                 | DATE/TIME <u>10/1</u>                                                                                                                                          | RECEIVED BY (Signature) <u>[Signature]</u> | DATE/TIME <u>          </u> |
| RELINQUISHED BY (Signature) <u>[Signature]</u>                                                                                                                                                                                                                                                                 | DATE/TIME <u>          </u>                                                                                                                                    | RECEIVED BY (Signature) <u>[Signature]</u> | DATE/TIME <u>          </u> |
| RELINQUISHED BY (Signature) <u>[Signature]</u>                                                                                                                                                                                                                                                                 | DATE/TIME <u>          </u>                                                                                                                                    | RECEIVED BY (Signature) <u>[Signature]</u> | DATE/TIME <u>          </u> |
| LABORATORY <u>Kenlo</u>                                                                                                                                                                                                                                                                                        | TURN AROUND TIME<br>NORMAL <input checked="" type="checkbox"/> 1 DAY <input type="checkbox"/><br>2 DAY <input type="checkbox"/> OTHER <input type="checkbox"/> |                                            |                             |
| LABORATORY USE ONLY:<br>RECEIVING TEMP <u>          </u> THERM# <u>          </u><br>CUSTODY SEALS - <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input type="checkbox"/> NOT USED<br><input type="checkbox"/> CARRIER BILL # <u>          </u><br><input type="checkbox"/> HAND DELIVERED |                                                                                                                                                                |                                            |                             |

[illegible]

No. 2152  
CHAIN-OF-CUSTODY

[illegible]

## Login Sample Receipt Checklist

Client: Larson &amp; Associates, Inc.

Job Number: 880-6758-1

SDG Number: 21-0100-24

Login Number: 6758

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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?                                      | True   |         |
| 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.                                                    | N/A    |         |
| 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    |         |



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-7159-1

Laboratory Sample Delivery Group: 21-0100-24

Client Project/Site: Limestone 1H

For:

Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, Texas 79701

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:  
10/20/2021 4:45:15 PM

Holly Taylor, Project Manager  
(806)794-1296  
[holly.taylor@eurofinset.com](mailto:holly.taylor@eurofinset.com)

#### LINKS

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results through

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Laboratory Job ID: 880-7159-1  
SDG: 21-0100-24

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## Definitions/Glossary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                       |

Eurofins Xenco, Midland

## Case Narrative

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

**Job ID: 880-7159-1**

**Laboratory: Eurofins Xenco, Midland**

### Narrative

#### Job Narrative 880-7159-1

### Comments

No additional comments.

### Receipt

The samples were received on 10/13/2021 9:08 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 was -1.2° C.

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9474 and analytical batch 880-9604 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-25 10' (880-7159-4). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9417 and analytical batch 880-9634 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-25 1'

Lab Sample ID: 880-7159-1

Date Collected: 10/07/21 10:55

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 14:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 14:07 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/18/21 12:20 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 18:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 18:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 18:45 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 | 10/15/21 15:13 | 10/16/21 18:45 | 1       |
| o-Terphenyl (Surr)    | 109       |           | 70 - 130 | 10/15/21 15:13 | 10/16/21 18:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 59.8   |           | 4.97 | mg/Kg |   |          | 10/18/21 00:29 | 1       |

Client Sample ID: S-25 3'

Lab Sample ID: 880-7159-2

Date Collected: 10/07/21 10:56

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| m,p-Xylenes    | <0.00397 | U         | 0.00397 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| Xylenes, Total | <0.00397 | U         | 0.00397 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 14:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 14:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 14:28 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-25 3'

Lab Sample ID: 880-7159-2

Date Collected: 10/07/21 10:56

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/18/21 12:20 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 102       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:07 | 1       |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:07 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 18.5   |           | 4.96 | mg/Kg |   |          | 10/18/21 00:35 | 1       |

Client Sample ID: S-25 15'

Lab Sample ID: 880-7159-3

Date Collected: 10/07/21 10:57

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |       |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |       |   | 10/14/21 13:10 | 10/18/21 15:51 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/18/21 12:20 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:28 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-25 15'

Lab Sample ID: 880-7159-3

Date Collected: 10/07/21 10:57

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:28 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 99        |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:28 | 1       |
| o-Terphenyl (Surr)                | 109       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:28 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 28.3   |           | 4.95 | mg/Kg |   |          | 10/18/21 00:40 | 1       |

Client Sample ID: S-25 10'

Lab Sample ID: 880-7159-4

Date Collected: 10/07/21 10:58

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| m,p-Xylenes                 | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 134       | S1+       | 70 - 130 |       |   | 10/14/21 13:10 | 10/18/21 16:12 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/18/21 12:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 19:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 105       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:49 | 1       |
| o-Terphenyl (Surr)                   | 121       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 19:49 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 33.5   |           | 5.04 | mg/Kg |   |          | 10/18/21 00:57 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-23 1'

Lab Sample ID: 880-7159-5

Date Collected: 10/07/21 11:45

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 17:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 16:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 17:13 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/18/21 12:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:10 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 105       |           | 70 - 130 | 10/15/21 15:13 | 10/16/21 20:10 | 1       |
| o-Terphenyl (Surr)    | 121       |           | 70 - 130 | 10/15/21 15:13 | 10/16/21 20:10 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 317    |           | 4.95 | mg/Kg |   |          | 10/18/21 01:03 | 1       |

Client Sample ID: S-23 3'

Lab Sample ID: 880-7159-6

Date Collected: 10/07/21 11:46

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 16:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 16:53 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-23 3'

Lab Sample ID: 880-7159-6

Date Collected: 10/07/21 11:46

Matrix: Solid

Date Received: 10/13/21 09:08

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 96        |           | 70 - 130 | 10/14/21 13:10 | 10/18/21 16:53 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/20/21 15:04 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/18/21 12:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 20:31 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 101       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 20:31 | 1       |
| o-Terphenyl (Surr)                   | 118       |           | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 20:31 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2890   |           | 24.9 | mg/Kg |   |          | 10/18/21 01:08 | 5       |

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# Surrogate Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-7020-A-1-E MS                 | Matrix Spike           | 177 S1+                                        | 50 S1-            |
| 880-7020-A-1-F MSD                | Matrix Spike Duplicate | 82                                             | 86                |
| 880-7159-1                        | S-25 1'                | 110                                            | 113               |
| 880-7159-2                        | S-25 3'                | 105                                            | 93                |
| 880-7159-3                        | S-25 15'               | 91                                             | 86                |
| 880-7159-4                        | S-25 10'               | 108                                            | 134 S1+           |
| 880-7159-5                        | S-23 1'                | 95                                             | 79                |
| 880-7159-5                        | S-23 1'                | 88                                             | 113               |
| 880-7159-6                        | S-23 3'                | 84                                             | 96                |
| LCS 880-9474/1-A                  | Lab Control Sample     | 96                                             | 75                |
| LCSD 880-9474/2-A                 | Lab Control Sample Dup | 112                                            | 90                |
| MB 880-9448/5-A                   | Method Blank           | 126                                            | 126               |
| MB 880-9474/5-A                   | Method Blank           | 114                                            | 87                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                             |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID               | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-7159-1                  | S-25 1'                | 99                                             | 109               |
| 880-7159-2                  | S-25 3'                | 102                                            | 113               |
| 880-7159-3                  | S-25 15'               | 99                                             | 109               |
| 880-7159-4                  | S-25 10'               | 105                                            | 121               |
| 880-7159-5                  | S-23 1'                | 105                                            | 121               |
| 880-7159-6                  | S-23 3'                | 101                                            | 118               |
| 880-7246-A-21-E MS          | Matrix Spike           | 103                                            | 101               |
| 880-7246-A-21-F MSD         | Matrix Spike Duplicate | 100                                            | 97                |
| LCS 880-9541/2-A            | Lab Control Sample     | 112                                            | 113               |
| LCSD 880-9541/3-A           | Lab Control Sample Dup | 113                                            | 114               |
| MB 880-9541/1-A             | Method Blank           | 112                                            | 129               |
| <b>Surrogate Legend</b>     |                        |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |                   |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-9448/5-A

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9448

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/14/21 10:28 | 10/17/21 16:14 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 126          |              | 70 - 130 | 10/14/21 10:28 | 10/17/21 16:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 126          |              | 70 - 130 | 10/14/21 10:28 | 10/17/21 16:14 | 1       |

Lab Sample ID: MB 880-9474/5-A

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9474

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/14/21 13:10 | 10/18/21 11:00 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114          |              | 70 - 130 | 10/14/21 13:10 | 10/18/21 11:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87           |              | 70 - 130 | 10/14/21 13:10 | 10/18/21 11:00 | 1       |

Lab Sample ID: LCS 880-9474/1-A

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9474

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.07020    |               | mg/Kg |   | 70   | 70 - 130     |
| Toluene      | 0.100       | 0.1055     |               | mg/Kg |   | 106  | 70 - 130     |
| Ethylbenzene | 0.100       | 0.1179     |               | mg/Kg |   | 118  | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.2188     |               | mg/Kg |   | 109  | 70 - 130     |
| o-Xylene     | 0.100       | 0.09720    |               | mg/Kg |   | 97   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 75            |               | 70 - 130 |

Lab Sample ID: LCSD 880-9474/2-A

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9474

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100       | 0.08912     |                | mg/Kg |   | 89   | 70 - 130     | 24  | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-9474/2-A

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9474

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Toluene      | 0.100       | 0.1232      |                | mg/Kg |   | 123  | 70 - 130     | 15  | 35        |
| Ethylbenzene | 0.100       | 0.1161      |                | mg/Kg |   | 116  | 70 - 130     | 2   | 35        |
| m,p-Xylenes  | 0.200       | 0.2239      |                | mg/Kg |   | 112  | 70 - 130     | 2   | 35        |
| o-Xylene     | 0.100       | 0.1060      |                | mg/Kg |   | 106  | 70 - 130     | 9   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 112            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 90             |                | 70 - 130 |

Lab Sample ID: 880-7020-A-1-E MS

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9474

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene      | <0.00201      | U F2 F1          | 0.100       | 0.01121   | F1           | mg/Kg |   | 11   | 70 - 130     |
| Toluene      | <0.00201      | U F2 F1          | 0.100       | 0.006927  | F1           | mg/Kg |   | 7    | 70 - 130     |
| Ethylbenzene | <0.00201      | U F2 F1          | 0.100       | 0.006741  | F1           | mg/Kg |   | 7    | 70 - 130     |
| m,p-Xylenes  | <0.00402      | U F2 F1          | 0.200       | 0.02067   | F1           | mg/Kg |   | 10   | 70 - 130     |
| o-Xylene     | <0.00201      | U F2 F1          | 0.100       | 0.009134  | F1           | mg/Kg |   | 9    | 70 - 130     |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 177          | S1+          | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 50           | S1-          | 70 - 130 |

Lab Sample ID: 880-7020-A-1-F MSD

Matrix: Solid

Analysis Batch: 9604

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9474

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00201      | U F2 F1          | 0.101       | 0.04719    | F2 F1         | mg/Kg |   | 47   | 70 - 130     | 123 | 35        |
| Toluene      | <0.00201      | U F2 F1          | 0.101       | 0.06583    | F2 F1         | mg/Kg |   | 65   | 70 - 130     | 162 | 35        |
| Ethylbenzene | <0.00201      | U F2 F1          | 0.101       | 0.06053    | F2 F1         | mg/Kg |   | 60   | 70 - 130     | 160 | 35        |
| m,p-Xylenes  | <0.00402      | U F2 F1          | 0.201       | 0.1089     | F2 F1         | mg/Kg |   | 54   | 70 - 130     | 136 | 35        |
| o-Xylene     | <0.00201      | U F2 F1          | 0.101       | 0.05229    | F2 F1         | mg/Kg |   | 52   | 70 - 130     | 141 | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 82            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 86            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-9541/1-A

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 10/15/21 15:13 | 10/16/21 12:22 | 1       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-9541/1-A

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 12:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 10/15/21 15:13 | 10/16/21 12:22 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 112          |              | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 12:22 | 1       |
| o-Terphenyl (Surr)                   | 129          |              | 70 - 130 |       |   | 10/15/21 15:13 | 10/16/21 12:22 | 1       |

Lab Sample ID: LCS 880-9541/2-A

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 1088          |               | mg/Kg |   | 109  | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | 1000          | 1205          |               | mg/Kg |   | 121  | 70 - 130     |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |
| 1-Chlorooctane (Surr)                | 112           |               | 70 - 130      |       |   |      |              |
| o-Terphenyl (Surr)                   | 113           |               | 70 - 130      |       |   |      |              |

Lab Sample ID: LCSD 880-9541/3-A

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1097           |                | mg/Kg |   | 110  | 70 - 130     | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 1217           |                | mg/Kg |   | 122  | 70 - 130     | 1   | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 113            |                | 70 - 130       |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 114            |                | 70 - 130       |       |   |      |              |     |           |

Lab Sample ID: 880-7246-A-21-E MS

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 996         | 964.8     |              | mg/Kg |   | 92   | 70 - 130     |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 996         | 1097      |              | mg/Kg |   | 109  | 70 - 130     |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |              |
| 1-Chlorooctane (Surr)                | 103           |                  | 70 - 130    |           |              |       |   |      |              |
| o-Terphenyl (Surr)                   | 101           |                  | 70 - 130    |           |              |       |   |      |              |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-7246-A-21-F MSD

Matrix: Solid

Analysis Batch: 9580

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9541

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 945.3      |               | mg/Kg |   | 90   | 70 - 130     | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 1068       |               | mg/Kg |   | 105  | 70 - 130     | 3   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 100           |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 97            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9417/1-A

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/17/21 23:50 | 1       |

Lab Sample ID: LCS 880-9417/2-A

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 255.4      |               | mg/Kg |   | 102  | 90 - 110     |

Lab Sample ID: LCSD 880-9417/3-A

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 255.2       |                | mg/Kg |   | 102  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-7154-A-5-B MS

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 566           |                  | 1250        | 1905      |              | mg/Kg |   | 108  | 90 - 110     |

Lab Sample ID: 880-7154-A-5-C MSD

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 566           |                  | 1250        | 1903       |               | mg/Kg |   | 107  | 90 - 110     | 0   | 20        |

Eurofins Xenco, Midland

## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7163-A-3-B MS

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |  |  |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|--|--|
| Chloride | 58.3             | F1                  | 250            | 334.6        | F1              | mg/Kg |   | 111  | 90 - 110        |  |  |

Lab Sample ID: 880-7163-A-3-C MSD

Matrix: Solid

Analysis Batch: 9634

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 58.3             | F1                  | 250            | 334.2         |                  | mg/Kg |   | 110  | 90 - 110        | 0   | 20           |

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## GC VOA

## Prep Batch: 9448

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| MB 880-9448/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 9474

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-7159-1         | S-25 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7159-2         | S-25 3'                | Total/NA  | Solid  | 5035   |            |
| 880-7159-3         | S-25 15'               | Total/NA  | Solid  | 5035   |            |
| 880-7159-4         | S-25 10'               | Total/NA  | Solid  | 5035   |            |
| 880-7159-5         | S-23 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7159-5         | S-23 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7159-6         | S-23 3'                | Total/NA  | Solid  | 5035   |            |
| MB 880-9474/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-9474/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-9474/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-7020-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-7020-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 9604

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-7159-1         | S-25 1'                | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-2         | S-25 3'                | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-3         | S-25 15'               | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-4         | S-25 10'               | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-5         | S-23 1'                | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-5         | S-23 1'                | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7159-6         | S-23 3'                | Total/NA  | Solid  | 8021B  | 9474       |
| MB 880-9448/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 9448       |
| MB 880-9474/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 9474       |
| LCS 880-9474/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 9474       |
| LCSD 880-9474/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7020-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 9474       |
| 880-7020-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 9474       |

## Analysis Batch: 10032

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-7159-1    | S-25 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7159-2    | S-25 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7159-3    | S-25 15'         | Total/NA  | Solid  | Total BTEX |            |
| 880-7159-4    | S-25 10'         | Total/NA  | Solid  | Total BTEX |            |
| 880-7159-5    | S-23 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7159-6    | S-23 3'          | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 9541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-7159-1    | S-25 1'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7159-2    | S-25 3'          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7159-3    | S-25 15'         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7159-4    | S-25 10'         | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7159-5    | S-23 1'          | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Prep Batch: 9541 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-7159-6          | S-23 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-9541/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-9541/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-9541/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7246-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7246-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 9580

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-7159-1          | S-25 1'                | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7159-2          | S-25 3'                | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7159-3          | S-25 15'               | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7159-4          | S-25 10'               | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7159-5          | S-23 1'                | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7159-6          | S-23 3'                | Total/NA  | Solid  | 8015B NM | 9541       |
| MB 880-9541/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 9541       |
| LCS 880-9541/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 9541       |
| LCSD 880-9541/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7246-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 9541       |
| 880-7246-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 9541       |

## Analysis Batch: 9661

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-7159-1    | S-25 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7159-2    | S-25 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7159-3    | S-25 15'         | Total/NA  | Solid  | 8015 NM |            |
| 880-7159-4    | S-25 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-7159-5    | S-23 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7159-6    | S-23 3'          | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 9417

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-7159-1         | S-25 1'                | Soluble   | Solid  | DI Leach |            |
| 880-7159-2         | S-25 3'                | Soluble   | Solid  | DI Leach |            |
| 880-7159-3         | S-25 15'               | Soluble   | Solid  | DI Leach |            |
| 880-7159-4         | S-25 10'               | Soluble   | Solid  | DI Leach |            |
| 880-7159-5         | S-23 1'                | Soluble   | Solid  | DI Leach |            |
| 880-7159-6         | S-23 3'                | Soluble   | Solid  | DI Leach |            |
| MB 880-9417/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-9417/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-9417/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-7154-A-5-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-7154-A-5-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |
| 880-7163-A-3-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-7163-A-3-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 9634

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-7159-1    | S-25 1'          | Soluble   | Solid  | 300.0  | 9417       |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 9634 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-7159-2         | S-25 3'                | Soluble   | Solid  | 300.0  | 9417       |
| 880-7159-3         | S-25 15'               | Soluble   | Solid  | 300.0  | 9417       |
| 880-7159-4         | S-25 10'               | Soluble   | Solid  | 300.0  | 9417       |
| 880-7159-5         | S-23 1'                | Soluble   | Solid  | 300.0  | 9417       |
| 880-7159-6         | S-23 3'                | Soluble   | Solid  | 300.0  | 9417       |
| MB 880-9417/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 9417       |
| LCS 880-9417/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 9417       |
| LCSD 880-9417/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 9417       |
| 880-7154-A-5-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 9417       |
| 880-7154-A-5-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 9417       |
| 880-7163-A-3-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 9417       |
| 880-7163-A-3-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 9417       |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-25 1'

Date Collected: 10/07/21 10:55

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 14:07       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:20       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 18:45       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9634         | 10/18/21 00:29       | CH      | XEN MID |

Client Sample ID: S-25 3'

Date Collected: 10/07/21 10:56

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 14:28       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:20       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 19:07       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9634         | 10/18/21 00:35       | CH      | XEN MID |

Client Sample ID: S-25 15'

Date Collected: 10/07/21 10:57

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 15:51       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:20       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 19:28       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9634         | 10/18/21 00:40       | CH      | XEN MID |

Client Sample ID: S-25 10'

Date Collected: 10/07/21 10:58

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 16:12       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

Client Sample ID: S-25 10'

Date Collected: 10/07/21 10:58

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 19:49       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9634         | 10/18/21 00:57       | CH      | XEN MID |

Client Sample ID: S-23 1'

Date Collected: 10/07/21 11:45

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 16:32       | KL      | XEN MID |
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 17:13       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 20:10       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 9634         | 10/18/21 01:03       | CH      | XEN MID |

Client Sample ID: S-23 3'

Date Collected: 10/07/21 11:46

Date Received: 10/13/21 09:08

Lab Sample ID: 880-7159-6

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 9474         | 10/14/21 13:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 9604         | 10/18/21 16:53       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10032        | 10/20/21 15:04       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 9661         | 10/18/21 12:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 9541         | 10/15/21 15:13       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 9580         | 10/16/21 20:31       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 9417         | 10/13/21 18:59       | CA      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 9634         | 10/18/21 01:08       | CH      | XEN MID |

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

**Accreditation/Certification Summary**

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

**Laboratory: Eurofins Xenco, Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-21-22      | 06-30-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

## Method Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | XEN MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | XEN MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | XEN MID    |
| 5035        | Closed System Purge and Trap       | SW846    | XEN MID    |
| 8015NM Prep | Microextraction                    | SW846    | XEN MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | XEN MID    |

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7159-1  
SDG: 21-0100-24

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-7159-1    | S-25 1'          | Solid  | 10/07/21 10:55 | 10/13/21 09:08 |
| 880-7159-2    | S-25 3'          | Solid  | 10/07/21 10:56 | 10/13/21 09:08 |
| 880-7159-3    | S-25 15'         | Solid  | 10/07/21 10:57 | 10/13/21 09:08 |
| 880-7159-4    | S-25 10'         | Solid  | 10/07/21 10:58 | 10/13/21 09:08 |
| 880-7159-5    | S-23 1'          | Solid  | 10/07/21 11:45 | 10/13/21 09:08 |
| 880-7159-6    | S-23 3'          | Solid  | 10/07/21 11:46 | 10/13/21 09:08 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Login Sample Receipt Checklist

Client: Larson &amp; Associates, Inc.

Job Number: 880-7159-1

SDG Number: 21-0100-24

**Login Number: 7159****List Number: 1****Creator: Kramer, Jessica****List Source: Eurofins Xenco, Midland**

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                |        |         |
| Sample custody seals, if present, are intact.                                    |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.   |        |         |
| Samples were received on ice.                                                    |        |         |
| Cooler Temperature is acceptable.                                                |        |         |
| Cooler Temperature is recorded.                                                  |        |         |
| COC is present.                                                                  |        |         |
| COC is filled out in ink and legible.                                            |        |         |
| COC is filled out with all pertinent information.                                |        |         |
| Is the Field Sampler's name present on COC?                                      |        |         |
| There are no discrepancies between the containers received and the COC.          |        |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    |        |         |
| Sample containers have legible labels.                                           |        |         |
| Containers are not broken or leaking.                                            |        |         |
| Sample collection date/times are provided.                                       |        |         |
| Appropriate sample containers are used.                                          |        |         |
| Sample bottles are completely filled.                                            |        |         |
| Sample Preservation Verified.                                                    |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs |        |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  |        |         |



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-7252-1

Client Project/Site: Limestone 1H

**For:**

Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, Texas 79701

Attn: Mr. Mark J Larson

*Holly Taylor*

Authorized for release by:  
10/25/2021 6:43:13 PM

Holly Taylor, Project Manager  
(806)794-1296  
[holly.taylor@eurofinset.com](mailto:holly.taylor@eurofinset.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Laboratory Job ID: 880-7252-1

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## Definitions/Glossary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| F2        | MS/MSD RPD exceeds control limits                          |
| S1+       | Surrogate recovery exceeds control limits, high biased.    |
| U         | Indicates the analyte was analyzed for but not detected.   |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                       |

Eurofins Xenco, Midland

## Case Narrative

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

**Job ID: 880-7252-1****Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative  
880-7252-1****Receipt**

The samples were received on 10/15/2021 8:30 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 3.0°C

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9974 and analytical batch 880-10326 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9967 and analytical batch 880-10219 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 5'

Lab Sample ID: 880-7252-1

Date Collected: 10/14/21 11:15

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U F1      | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 04:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 04:40 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U F2      | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 10:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *       | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 10:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 10:13 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106       |           | 70 - 130 | 10/21/21 15:23 | 10/22/21 10:13 | 1       |
| o-Terphenyl (Surr)    | 110       |           | 70 - 130 | 10/21/21 15:23 | 10/22/21 10:13 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1810   | F1        | 25.0 | mg/Kg |   |          | 10/22/21 17:41 | 5       |

Client Sample ID: S-23 10'

Lab Sample ID: 880-7252-2

Date Collected: 10/14/21 11:16

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 05:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 05:01 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 10'

Lab Sample ID: 880-7252-2

Date Collected: 10/14/21 11:16

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U **      | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 118       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 11:17 | 1       |
| o-Terphenyl (Surr)                   | 124       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 11:17 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 657    | F1        | 4.96 | mg/Kg |   |          | 10/23/21 14:38 | 1       |

Client Sample ID: S-24 1'

Lab Sample ID: 880-7252-3

Date Collected: 10/14/21 11:30

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 05:21 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 1300   |           | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1300   |           | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U **      | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:39 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-24 1'

Lab Sample ID: 880-7252-3

Date Collected: 10/14/21 11:30

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 11:39 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 141       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 11:39 | 1       |
| o-Terphenyl (Surr)                | 143       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 11:39 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 634    |           | 4.98 | mg/Kg |   |          | 10/23/21 14:59 | 1       |

Client Sample ID: S-24 3'

Lab Sample ID: 880-7252-4

Date Collected: 10/14/21 11:31

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 05:42 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 803    |           | 49.8 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 803       |           | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *       | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:00 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 135       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 12:00 | 1       |
| o-Terphenyl (Surr)                   | 138       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 12:00 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 26.1   |           | 5.04 | mg/Kg |   |          | 10/23/21 15:06 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-24 5'

Lab Sample ID: 880-7252-5

Date Collected: 10/14/21 11:32

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 06:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 06:02 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *       | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:22 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 141       | S1+       | 70 - 130 | 10/21/21 15:23 | 10/22/21 12:22 | 1       |
| o-Terphenyl (Surr)    | 139       | S1+       | 70 - 130 | 10/21/21 15:23 | 10/22/21 12:22 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 32.4   |           | 4.98 | mg/Kg |   |          | 10/23/21 15:13 | 1       |

Client Sample ID: S-24 8'

Lab Sample ID: 880-7252-6

Date Collected: 10/14/21 11:33

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 06:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 06:23 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-24 8'

Lab Sample ID: 880-7252-6

Date Collected: 10/14/21 11:33

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U **      | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 12:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 110       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 12:44 | 1       |
| o-Terphenyl (Surr)                   | 114       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 12:44 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 89.4   |           | 4.99 | mg/Kg |   |          | 10/23/21 15:21 | 1       |

Client Sample ID: S-38 1'

Lab Sample ID: 880-7252-7

Date Collected: 10/14/21 11:45

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 06:44 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U **      | 49.8 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:05 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-38 1'

Lab Sample ID: 880-7252-7

Date Collected: 10/14/21 11:45

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:05 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 125       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 13:05 | 1       |
| o-Terphenyl (Surr)                | 129       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 13:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 695    |           | 4.99 | mg/Kg |   |          | 10/23/21 15:42 | 1       |

Client Sample ID: S-38 3'

Lab Sample ID: 880-7252-8

Date Collected: 10/14/21 11:46

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 07:04 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *       | 50.0     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 13:27 | 1       |
| o-Terphenyl (Surr)                   | 115       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 13:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 72.0   |           | 5.01 | mg/Kg |   |          | 10/23/21 15:49 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-38 5'

Lab Sample ID: 880-7252-9

Date Collected: 10/14/21 11:47

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 07:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 07:25 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *       | 50.0 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 13:48 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 139       | S1+       | 70 - 130 | 10/21/21 15:23 | 10/22/21 13:48 | 1       |
| o-Terphenyl (Surr)    | 148       | S1+       | 70 - 130 | 10/21/21 15:23 | 10/22/21 13:48 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 38.0   |           | 4.97 | mg/Kg |   |          | 10/23/21 15:56 | 1       |

Client Sample ID: S-38 8'

Lab Sample ID: 880-7252-10

Date Collected: 10/14/21 11:48

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 07:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 07:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 07:46 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-38 8'

Lab Sample ID: 880-7252-10

Date Collected: 10/14/21 11:48

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U **      | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 120       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 14:10 | 1       |
| o-Terphenyl (Surr)                   | 121       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 14:10 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 61.7   |           | 4.95 | mg/Kg |   |          | 10/23/21 16:04 | 1       |

Client Sample ID: S-28 1'

Lab Sample ID: 880-7252-11

Date Collected: 10/14/21 12:00

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 09:09 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U **      | 49.9 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:52 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-28 1'

Lab Sample ID: 880-7252-11

Date Collected: 10/14/21 12:00

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 14:52 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 115       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 14:52 | 1       |
| o-Terphenyl (Surr)                | 126       |           | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 14:52 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 15.3   |           | 4.98 | mg/Kg |   |          | 10/23/21 16:11 | 1       |

Client Sample ID: S-28 3'

Lab Sample ID: 880-7252-12

Date Collected: 10/14/21 12:01

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |       |   | 10/20/21 14:10 | 10/24/21 09:30 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *       | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 141       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 15:14 | 1       |
| o-Terphenyl (Surr)                   | 149       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 15:14 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 20.0   |           | 5.00 | mg/Kg |   |          | 10/23/21 16:18 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 5'

Lab Sample ID: 880-7252-13

Date Collected: 10/14/21 12:02

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| Xylenes, Total | <0.00400 | U         | 0.00400 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 09:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 09:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 09:51 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U *       | 49.8 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:35 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 107       |           | 70 - 130 | 10/21/21 15:23 | 10/22/21 15:35 | 1       |
| o-Terphenyl (Surr)    | 113       |           | 70 - 130 | 10/21/21 15:23 | 10/22/21 15:35 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 18.6   |           | 4.99 | mg/Kg |   |          | 10/23/21 16:39 | 1       |

Client Sample ID: S-23 8'

Lab Sample ID: 880-7252-14

Date Collected: 10/14/21 12:03

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 10:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 10:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 10/20/21 14:10 | 10/24/21 10:11 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 8'

Lab Sample ID: 880-7252-14

Date Collected: 10/14/21 12:03

Matrix: Solid

Date Received: 10/15/21 08:30

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 10/25/21 19:05 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 10/25/21 19:23 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U **      | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 10/21/21 15:23 | 10/22/21 15:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 134       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 15:56 | 1       |
| o-Terphenyl (Surr)                   | 138       | S1+       | 70 - 130 |       |   | 10/21/21 15:23 | 10/22/21 15:56 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 609    |           | 5.04 | mg/Kg |   |          | 10/25/21 10:09 | 1       |

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## Surrogate Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID       | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-7252-1                        | S-23 5'                | 101                                            | 99       |  |  |  |  |
| 880-7252-1 MS                     | S-23 5'                | 99                                             | 93       |  |  |  |  |
| 880-7252-1 MSD                    | S-23 5'                | 106                                            | 95       |  |  |  |  |
| 880-7252-2                        | S-23 10'               | 101                                            | 104      |  |  |  |  |
| 880-7252-3                        | S-24 1'                | 101                                            | 97       |  |  |  |  |
| 880-7252-4                        | S-24 3'                | 98                                             | 96       |  |  |  |  |
| 880-7252-5                        | S-24 5'                | 102                                            | 95       |  |  |  |  |
| 880-7252-6                        | S-24 8'                | 106                                            | 100      |  |  |  |  |
| 880-7252-7                        | S-38 1'                | 106                                            | 105      |  |  |  |  |
| 880-7252-8                        | S-38 3'                | 98                                             | 103      |  |  |  |  |
| 880-7252-9                        | S-38 5'                | 105                                            | 110      |  |  |  |  |
| 880-7252-10                       | S-38 8'                | 103                                            | 109      |  |  |  |  |
| 880-7252-11                       | S-28 1'                | 147 S1+                                        | 89       |  |  |  |  |
| 880-7252-12                       | S-28 3'                | 93                                             | 108      |  |  |  |  |
| 880-7252-13                       | S-23 5'                | 105                                            | 98       |  |  |  |  |
| 880-7252-14                       | S-23 8'                | 102                                            | 107      |  |  |  |  |
| LCS 880-10009/1-A                 | Lab Control Sample     | 95                                             | 88       |  |  |  |  |
| LCSD 880-10009/2-A                | Lab Control Sample Dup | 100                                            | 87       |  |  |  |  |
| MB 880-10007/5-A                  | Method Blank           | 99                                             | 102      |  |  |  |  |
| MB 880-10009/5-A                  | Method Blank           | 119                                            | 99       |  |  |  |  |
| Surrogate Legend                  |                        |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |          |  |  |  |  |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|--------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID      | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                    |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-7252-1         | S-23 5'                | 106                                            | 110      |  |  |  |  |
| 880-7252-1 MS      | S-23 5'                | 121                                            | 121      |  |  |  |  |
| 880-7252-1 MSD     | S-23 5'                | 149 S1+                                        | 139 S1+  |  |  |  |  |
| 880-7252-2         | S-23 10'               | 118                                            | 124      |  |  |  |  |
| 880-7252-3         | S-24 1'                | 141 S1+                                        | 143 S1+  |  |  |  |  |
| 880-7252-4         | S-24 3'                | 135 S1+                                        | 138 S1+  |  |  |  |  |
| 880-7252-5         | S-24 5'                | 141 S1+                                        | 139 S1+  |  |  |  |  |
| 880-7252-6         | S-24 8'                | 110                                            | 114      |  |  |  |  |
| 880-7252-7         | S-38 1'                | 125                                            | 129      |  |  |  |  |
| 880-7252-8         | S-38 3'                | 109                                            | 115      |  |  |  |  |
| 880-7252-9         | S-38 5'                | 139 S1+                                        | 148 S1+  |  |  |  |  |
| 880-7252-10        | S-38 8'                | 120                                            | 121      |  |  |  |  |
| 880-7252-11        | S-28 1'                | 115                                            | 126      |  |  |  |  |
| 880-7252-12        | S-28 3'                | 141 S1+                                        | 149 S1+  |  |  |  |  |
| 880-7252-13        | S-23 5'                | 107                                            | 113      |  |  |  |  |
| 880-7252-14        | S-23 8'                | 134 S1+                                        | 138 S1+  |  |  |  |  |
| LCS 880-10137/2-A  | Lab Control Sample     | 117                                            | 112      |  |  |  |  |
| LCSD 880-10137/3-A | Lab Control Sample Dup | 103                                            | 95       |  |  |  |  |
| MB 880-10137/1-A   | Method Blank           | 126                                            | 135 S1+  |  |  |  |  |

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## Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-7252-1

Project/Site: Limestone 1H

### Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

1

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10007/5-A

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10007

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/20/21 14:05 | 10/23/21 17:19 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 | 10/20/21 14:05 | 10/23/21 17:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 | 10/20/21 14:05 | 10/23/21 17:19 | 1       |

Lab Sample ID: MB 880-10009/5-A

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10009

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 10/20/21 14:10 | 10/24/21 04:18 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119          |              | 70 - 130 | 10/20/21 14:10 | 10/24/21 04:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99           |              | 70 - 130 | 10/20/21 14:10 | 10/24/21 04:18 | 1       |

Lab Sample ID: LCS 880-10009/1-A

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10009

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.07599    |               | mg/Kg |   | 76   | 70 - 130     |
| Toluene      | 0.100       | 0.07593    |               | mg/Kg |   | 76   | 70 - 130     |
| Ethylbenzene | 0.100       | 0.07989    |               | mg/Kg |   | 80   | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.1537     |               | mg/Kg |   | 77   | 70 - 130     |
| o-Xylene     | 0.100       | 0.07949    |               | mg/Kg |   | 79   | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 88            |               | 70 - 130 |

Lab Sample ID: LCSD 880-10009/2-A

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10009

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100       | 0.07975     |                | mg/Kg |   | 80   | 70 - 130     | 5   | 35        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-10009/2-A

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10009

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Toluene      | 0.100       | 0.08116     |                | mg/Kg |   | 81   | 70 - 130     | 7   | 35        |
| Ethylbenzene | 0.100       | 0.08468     |                | mg/Kg |   | 85   | 70 - 130     | 6   | 35        |
| m,p-Xylenes  | 0.200       | 0.1647      |                | mg/Kg |   | 82   | 70 - 130     | 7   | 35        |
| o-Xylene     | 0.100       | 0.08465     |                | mg/Kg |   | 85   | 70 - 130     | 6   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 100            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87             |                | 70 - 130 |

Lab Sample ID: 880-7252-1 MS

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: S-23 5'

Prep Type: Total/NA

Prep Batch: 10009

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00200      | U F1             | 0.101       | 0.06620   | F1           | mg/Kg |   | 66   | 70 - 130     |     |           |
| Toluene      | <0.00200      | U                | 0.101       | 0.07161   |              | mg/Kg |   | 71   | 70 - 130     |     |           |
| Ethylbenzene | <0.00200      | U                | 0.101       | 0.07603   |              | mg/Kg |   | 75   | 70 - 130     |     |           |
| m,p-Xylenes  | <0.00401      | U                | 0.202       | 0.1515    |              | mg/Kg |   | 75   | 70 - 130     |     |           |
| o-Xylene     | <0.00200      | U                | 0.101       | 0.07584   |              | mg/Kg |   | 75   | 70 - 130     |     |           |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93           |              | 70 - 130 |

Lab Sample ID: 880-7252-1 MSD

Matrix: Solid

Analysis Batch: 10332

Client Sample ID: S-23 5'

Prep Type: Total/NA

Prep Batch: 10009

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00200      | U F1             | 0.0998      | 0.07371    |               | mg/Kg |   | 74   | 70 - 130     | 11  | 35        |
| Toluene      | <0.00200      | U                | 0.0998      | 0.07369    |               | mg/Kg |   | 74   | 70 - 130     | 3   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.0998      | 0.07623    |               | mg/Kg |   | 76   | 70 - 130     | 0   | 35        |
| m,p-Xylenes  | <0.00401      | U                | 0.200       | 0.1510     |               | mg/Kg |   | 76   | 70 - 130     | 0   | 35        |
| o-Xylene     | <0.00200      | U                | 0.0998      | 0.07507    |               | mg/Kg |   | 75   | 70 - 130     | 1   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 106           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-10137/1-A

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 10/21/21 15:22 | 10/22/21 09:08 | 1       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-10137/1-A

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 10/21/21 15:22 | 10/22/21 09:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 10/21/21 15:22 | 10/22/21 09:08 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 126             |                 | 70 - 130 |       |   | 10/21/21 15:22 | 10/22/21 09:08 | 1       |
| o-Terphenyl (Surr)                   | 135             | S1+             | 70 - 130 |       |   | 10/21/21 15:22 | 10/22/21 09:08 | 1       |

Lab Sample ID: LCS 880-10137/2-A

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1063             |                  | mg/Kg |   | 106  | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | 1000             | 1333             | *+               | mg/Kg |   | 133  | 70 - 130        |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                 |
| 1-Chlorooctane (Surr)                | 117              |                  | 70 - 130         |       |   |      |                 |
| o-Terphenyl (Surr)                   | 112              |                  | 70 - 130         |       |   |      |                 |

Lab Sample ID: LCSD 880-10137/3-A

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 896.8             |                   | mg/Kg |   | 90   | 70 - 130        | 17  | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1093              |                   | mg/Kg |   | 109  | 70 - 130        | 20  | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                | 103               |                   | 70 - 130          |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                   | 95                |                   | 70 - 130          |       |   |      |                 |     |              |

Lab Sample ID: 880-7252-1 MS

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: S-23 5'

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9            | U F2                | 999            | 874.9        |                 | mg/Kg |   | 84   | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | <49.9            | U *+                | 999            | 990.0        |                 | mg/Kg |   | 99   | 70 - 130        |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                 |
| 1-Chlorooctane (Surr)                | 121              |                     | 70 - 130       |              |                 |       |   |      |                 |
| o-Terphenyl (Surr)                   | 121              |                     | 70 - 130       |              |                 |       |   |      |                 |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-7252-1 MSD

Matrix: Solid

Analysis Batch: 10165

Client Sample ID: S-23 5'

Prep Type: Total/NA

Prep Batch: 10137

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U F2             | 1000        | 1132       | F2            | mg/Kg |   | 110  | 70 - 130     | 26  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U *+             | 1000        | 1183       |               | mg/Kg |   | 118  | 70 - 130     | 18  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 149           | S1+              | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 139           | S1+              | 70 - 130    |            |               |       |   |      |              |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9967/1-A

Matrix: Solid

Analysis Batch: 10219

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 10/22/21 17:19 | 1       |

Lab Sample ID: LCS 880-9967/2-A

Matrix: Solid

Analysis Batch: 10219

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250         | 248.7      |               | mg/Kg |   | 99   | 90 - 110     |

Lab Sample ID: LCSD 880-9967/3-A

Matrix: Solid

Analysis Batch: 10219

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250         | 250.7       |                | mg/Kg |   | 100  | 90 - 110     | 1   | 20        |

Lab Sample ID: 880-7252-1 MS

Matrix: Solid

Analysis Batch: 10219

Client Sample ID: S-23 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 1810          | F1               | 998         | 3099      | F1           | mg/Kg |   | 129  | 90 - 110     |

Lab Sample ID: 880-7252-1 MSD

Matrix: Solid

Analysis Batch: 10219

Client Sample ID: S-23 5'

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 1810          | F1               | 998         | 3151       | F1            | mg/Kg |   | 135  | 90 - 110     | 2   | 20        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-9974/1-A

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 10/23/21 14:16 | 1       |

Lab Sample ID: LCS 880-9974/2-A

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250            | 250.3         |                  | mg/Kg |   | 100  | 90 - 110        |

Lab Sample ID: LCSD 880-9974/3-A

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250            | 253.6          |                   | mg/Kg |   | 101  | 90 - 110        | 1   | 20           |

Lab Sample ID: 880-7252-2 MS

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: S-23 10'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 657              | F1                  | 248            | 860.9        | F1              | mg/Kg |   | 82   | 90 - 110        |

Lab Sample ID: 880-7252-2 MSD

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: S-23 10'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 657              | F1                  | 248            | 868.1         | F1               | mg/Kg |   | 85   | 90 - 110        | 1   | 20           |

Lab Sample ID: 880-7252-12 MS

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: S-28 3'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 20.0             |                     | 250            | 266.8        |                 | mg/Kg |   | 99   | 90 - 110        |

Lab Sample ID: 880-7252-12 MSD

Matrix: Solid

Analysis Batch: 10326

Client Sample ID: S-28 3'

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 20.0             |                     | 250            | 269.1         |                  | mg/Kg |   | 100  | 90 - 110        | 1   | 20           |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## GC VOA

## Prep Batch: 10007

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-10007/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 10009

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-7252-1         | S-23 5'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-2         | S-23 10'               | Total/NA  | Solid  | 5035   |            |
| 880-7252-3         | S-24 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-4         | S-24 3'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-5         | S-24 5'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-6         | S-24 8'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-7         | S-38 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-8         | S-38 3'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-9         | S-38 5'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-10        | S-38 8'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-11        | S-28 1'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-12        | S-28 3'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-13        | S-23 5'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-14        | S-23 8'                | Total/NA  | Solid  | 5035   |            |
| MB 880-10009/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-10009/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-10009/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-7252-1 MS      | S-23 5'                | Total/NA  | Solid  | 5035   |            |
| 880-7252-1 MSD     | S-23 5'                | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 10332

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-7252-1         | S-23 5'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-2         | S-23 10'               | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-3         | S-24 1'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-4         | S-24 3'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-5         | S-24 5'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-6         | S-24 8'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-7         | S-38 1'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-8         | S-38 3'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-9         | S-38 5'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-10        | S-38 8'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-11        | S-28 1'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-12        | S-28 3'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-13        | S-23 5'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-14        | S-23 8'                | Total/NA  | Solid  | 8021B  | 10009      |
| MB 880-10007/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 10007      |
| MB 880-10009/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 10009      |
| LCS 880-10009/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 10009      |
| LCSD 880-10009/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-1 MS      | S-23 5'                | Total/NA  | Solid  | 8021B  | 10009      |
| 880-7252-1 MSD     | S-23 5'                | Total/NA  | Solid  | 8021B  | 10009      |

## Analysis Batch: 10531

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-7252-1    | S-23 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-2    | S-23 10'         | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## GC VOA (Continued)

## Analysis Batch: 10531 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-7252-3    | S-24 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-4    | S-24 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-5    | S-24 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-6    | S-24 8'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-7    | S-38 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-8    | S-38 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-9    | S-38 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-10   | S-38 8'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-11   | S-28 1'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-12   | S-28 3'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-13   | S-23 5'          | Total/NA  | Solid  | Total BTEX |            |
| 880-7252-14   | S-23 8'          | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 10137

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 880-7252-1        | S-23 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-2        | S-23 10'               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-3        | S-24 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-4        | S-24 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-5        | S-24 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-6        | S-24 8'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-7        | S-38 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-8        | S-38 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-9        | S-38 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-10       | S-38 8'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-11       | S-28 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-12       | S-28 3'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-13       | S-23 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-14       | S-23 8'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-10137/1-A  | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-10137/2-A | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-10137/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-1 MS     | S-23 5'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-7252-1 MSD    | S-23 5'                | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 10165

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-7252-1    | S-23 5'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-2    | S-23 10'         | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-3    | S-24 1'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-4    | S-24 3'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-5    | S-24 5'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-6    | S-24 8'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-7    | S-38 1'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-8    | S-38 3'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-9    | S-38 5'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-10   | S-38 8'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-11   | S-28 1'          | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-12   | S-28 3'          | Total/NA  | Solid  | 8015B NM | 10137      |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## GC Semi VOA (Continued)

## Analysis Batch: 10165 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-7252-13        | S-23 5'                | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-14        | S-23 8'                | Total/NA  | Solid  | 8015B NM | 10137      |
| MB 880-10137/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 10137      |
| LCS 880-10137/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 10137      |
| LCSD 880-10137/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-1 MS      | S-23 5'                | Total/NA  | Solid  | 8015B NM | 10137      |
| 880-7252-1 MSD     | S-23 5'                | Total/NA  | Solid  | 8015B NM | 10137      |

## Analysis Batch: 10533

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-7252-1    | S-23 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-2    | S-23 10'         | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-3    | S-24 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-4    | S-24 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-5    | S-24 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-6    | S-24 8'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-7    | S-38 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-8    | S-38 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-9    | S-38 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-10   | S-38 8'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-11   | S-28 1'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-12   | S-28 3'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-13   | S-23 5'          | Total/NA  | Solid  | 8015 NM |            |
| 880-7252-14   | S-23 8'          | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 9967

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-7252-1        | S-23 5'                | Soluble   | Solid  | DI Leach |            |
| MB 880-9967/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-9967/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-9967/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-7252-1 MS     | S-23 5'                | Soluble   | Solid  | DI Leach |            |
| 880-7252-1 MSD    | S-23 5'                | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 9974

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-7252-2    | S-23 10'         | Soluble   | Solid  | DI Leach |            |
| 880-7252-3    | S-24 1'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-4    | S-24 3'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-5    | S-24 5'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-6    | S-24 8'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-7    | S-38 1'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-8    | S-38 3'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-9    | S-38 5'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-10   | S-38 8'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-11   | S-28 1'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-12   | S-28 3'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-13   | S-23 5'          | Soluble   | Solid  | DI Leach |            |
| 880-7252-14   | S-23 8'          | Soluble   | Solid  | DI Leach |            |

Eurofins Xenco, Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

## HPLC/IC (Continued)

## Leach Batch: 9974 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| MB 880-9974/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-9974/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-9974/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-7252-2 MS     | S-23 10'               | Soluble   | Solid  | DI Leach |            |
| 880-7252-2 MSD    | S-23 10'               | Soluble   | Solid  | DI Leach |            |
| 880-7252-12 MS    | S-28 3'                | Soluble   | Solid  | DI Leach |            |
| 880-7252-12 MSD   | S-28 3'                | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 10219

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-7252-1        | S-23 5'                | Soluble   | Solid  | 300.0  | 9967       |
| MB 880-9967/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 9967       |
| LCS 880-9967/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 9967       |
| LCSD 880-9967/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 9967       |
| 880-7252-1 MS     | S-23 5'                | Soluble   | Solid  | 300.0  | 9967       |
| 880-7252-1 MSD    | S-23 5'                | Soluble   | Solid  | 300.0  | 9967       |

## Analysis Batch: 10326

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-7252-2        | S-23 10'               | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-3        | S-24 1'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-4        | S-24 3'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-5        | S-24 5'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-6        | S-24 8'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-7        | S-38 1'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-8        | S-38 3'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-9        | S-38 5'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-10       | S-38 8'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-11       | S-28 1'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-12       | S-28 3'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-13       | S-23 5'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-14       | S-23 8'                | Soluble   | Solid  | 300.0  | 9974       |
| MB 880-9974/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 9974       |
| LCS 880-9974/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 9974       |
| LCSD 880-9974/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-2 MS     | S-23 10'               | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-2 MSD    | S-23 10'               | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-12 MS    | S-28 3'                | Soluble   | Solid  | 300.0  | 9974       |
| 880-7252-12 MSD   | S-28 3'                | Soluble   | Solid  | 300.0  | 9974       |

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## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 5'

Lab Sample ID: 880-7252-1

Date Collected: 10/14/21 11:15

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 04:40       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 10:13       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 9967         | 10/20/21 12:09       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 10219        | 10/22/21 17:41       | CH      | XEN MID |

Client Sample ID: S-23 10'

Lab Sample ID: 880-7252-2

Date Collected: 10/14/21 11:16

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 05:01       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 11:17       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 14:38       | CH      | XEN MID |

Client Sample ID: S-24 1'

Lab Sample ID: 880-7252-3

Date Collected: 10/14/21 11:30

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 05:21       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 11:39       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 14:59       | CH      | XEN MID |

Client Sample ID: S-24 3'

Lab Sample ID: 880-7252-4

Date Collected: 10/14/21 11:31

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 05:42       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-24 3'

Lab Sample ID: 880-7252-4

Date Collected: 10/14/21 11:31

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 12:00       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:06       | CH      | XEN MID |

Client Sample ID: S-24 5'

Lab Sample ID: 880-7252-5

Date Collected: 10/14/21 11:32

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 06:02       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 12:22       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:13       | CH      | XEN MID |

Client Sample ID: S-24 8'

Lab Sample ID: 880-7252-6

Date Collected: 10/14/21 11:33

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 06:23       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 12:44       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:21       | CH      | XEN MID |

Client Sample ID: S-38 1'

Lab Sample ID: 880-7252-7

Date Collected: 10/14/21 11:45

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 06:44       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 13:05       | AJ      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-38 1'

Lab Sample ID: 880-7252-7

Date Collected: 10/14/21 11:45

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:42       | CH      | XEN MID |

Client Sample ID: S-38 3'

Lab Sample ID: 880-7252-8

Date Collected: 10/14/21 11:46

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 07:04       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 13:27       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:49       | CH      | XEN MID |

Client Sample ID: S-38 5'

Lab Sample ID: 880-7252-9

Date Collected: 10/14/21 11:47

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 07:25       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 13:48       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 15:56       | CH      | XEN MID |

Client Sample ID: S-38 8'

Lab Sample ID: 880-7252-10

Date Collected: 10/14/21 11:48

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 07:46       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 14:10       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 16:04       | CH      | XEN MID |

Eurofins Xenco, Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-28 1'

Lab Sample ID: 880-7252-11

Date Collected: 10/14/21 12:00

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 09:09       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 14:52       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 16:11       | CH      | XEN MID |

Client Sample ID: S-28 3'

Lab Sample ID: 880-7252-12

Date Collected: 10/14/21 12:01

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 09:30       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 15:14       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 16:18       | CH      | XEN MID |

Client Sample ID: S-23 5'

Lab Sample ID: 880-7252-13

Date Collected: 10/14/21 12:02

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 09:51       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 15:35       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/23/21 16:39       | CH      | XEN MID |

Client Sample ID: S-23 8'

Lab Sample ID: 880-7252-14

Date Collected: 10/14/21 12:03

Matrix: Solid

Date Received: 10/15/21 08:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 10009        | 10/20/21 14:10       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 10332        | 10/24/21 10:11       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 10531        | 10/25/21 19:05       | AJ      | XEN MID |

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Client Sample ID: S-23 8'  
Date Collected: 10/14/21 12:03  
Date Received: 10/15/21 08:30

Lab Sample ID: 880-7252-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 10533        | 10/25/21 19:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 10137        | 10/21/21 15:23       | AM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 10165        | 10/22/21 15:56       | AJ      | XEN MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 9974         | 10/20/21 12:19       | CH      | XEN MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 10326        | 10/25/21 10:09       | CH      | XEN MID |

Laboratory References:  
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-21-22      | 06-30-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | XEN MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | XEN MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | XEN MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | XEN MID    |
| 5035        | Closed System Purge and Trap       | SW846    | XEN MID    |
| 8015NM Prep | Microextraction                    | SW846    | XEN MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | XEN MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

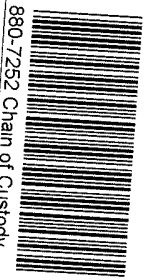
## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-7252-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-7252-1    | S-23 5'          | Solid  | 10/14/21 11:15 | 10/15/21 08:30 |
| 880-7252-2    | S-23 10'         | Solid  | 10/14/21 11:16 | 10/15/21 08:30 |
| 880-7252-3    | S-24 1'          | Solid  | 10/14/21 11:30 | 10/15/21 08:30 |
| 880-7252-4    | S-24 3'          | Solid  | 10/14/21 11:31 | 10/15/21 08:30 |
| 880-7252-5    | S-24 5'          | Solid  | 10/14/21 11:32 | 10/15/21 08:30 |
| 880-7252-6    | S-24 8'          | Solid  | 10/14/21 11:33 | 10/15/21 08:30 |
| 880-7252-7    | S-38 1'          | Solid  | 10/14/21 11:45 | 10/15/21 08:30 |
| 880-7252-8    | S-38 3'          | Solid  | 10/14/21 11:46 | 10/15/21 08:30 |
| 880-7252-9    | S-38 5'          | Solid  | 10/14/21 11:47 | 10/15/21 08:30 |
| 880-7252-10   | S-38 8'          | Solid  | 10/14/21 11:48 | 10/15/21 08:30 |
| 880-7252-11   | S-28 1'          | Solid  | 10/14/21 12:00 | 10/15/21 08:30 |
| 880-7252-12   | S-28 3'          | Solid  | 10/14/21 12:01 | 10/15/21 08:30 |
| 880-7252-13   | S-23 5'          | Solid  | 10/14/21 12:02 | 10/15/21 08:30 |
| 880-7252-14   | S-23 8'          | Solid  | 10/14/21 12:03 | 10/15/21 08:30 |

**Marson & Associates, Inc.**  
Environmental Consultants



880-7252 Chain of Custody

432-687 0901

Data Reported to

DATE 10-14-21 PAGE 1 OF 1  
PO# \_\_\_\_\_ LAB WORK ORDER# \_\_\_\_\_  
PROJECT LOCATION OR NAME Limestone 1H  
LAI PROJECT # 21-0100-24 COLLECTOR TP + MB

CHAIN-OF-CUSTODY

No. 2155

10/25/2021

| Field Sample ID | Lab # | Date     | Time | Matrix | # of Containers | PRESERVATION |                  |                                                                                       |     |             | ANALYSES                           |                                                                                                        | FIELD NOTES |  |
|-----------------|-------|----------|------|--------|-----------------|--------------|------------------|---------------------------------------------------------------------------------------|-----|-------------|------------------------------------|--------------------------------------------------------------------------------------------------------|-------------|--|
|                 |       |          |      |        |                 | HCl          | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> | ICE | UNPRESERVED | BTEX/MTBE <input type="checkbox"/> | TPH 418.1 <input type="checkbox"/> TPH 1005 <input type="checkbox"/> TPH 1006 <input type="checkbox"/> |             |  |
| S-23 5'         |       | 10/14/21 | 1115 | S      | 1               |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-23 10'        |       |          | 1116 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-24 1'         |       |          | 1130 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-24 3'         |       |          | 1131 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-24 5'         |       |          | 1132 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-24 8'         |       |          | 1133 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-38 1'         |       |          | 1145 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-38 3'         |       |          | 1146 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-38 5'         |       |          | 1147 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-38 8'         |       |          | 1148 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-18 1'         |       |          | 1200 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-18 3'         |       |          | 1201 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-18 5'         |       |          | 1202 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| S-28 8'         |       |          | 1203 |        |                 |              |                  |                                                                                       |     |             | X                                  | X                                                                                                      | X           |  |
| TOTAL 14        |       |          |      |        |                 |              |                  |                                                                                       |     |             |                                    |                                                                                                        |             |  |

## Login Sample Receipt Checklist

Client: Larson &amp; Associates, Inc.

Job Number: 880-7252-1

Login Number: 7252

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Teel, Brianna

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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?                                      | True   |         |
| 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.                                                    | N/A    |         |
| 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    |         |



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-12428-1  
Laboratory Sample Delivery Group: 21-0100-24  
Client Project/Site: Limestone 1H

For:  
Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, Texas 79701

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:  
4/1/2022 10:16:34 AM

Holly Taylor, Project Manager  
(806)794-1296  
[holly.taylor@eurofinset.com](mailto:holly.taylor@eurofinset.com)

#### LINKS

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results through  
**TotalAccess**

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Laboratory Job ID: 880-12428-1  
SDG: 21-0100-24

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## Definitions/Glossary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                       |

## Case Narrative

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

### Job ID: 880-12428-1

### Laboratory: Eurofins Midland

#### Narrative

#### Job Narrative 880-12428-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/15/2022 9:56 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 was -6.6° C.

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21734 and analytical batch 880-21936 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21654 and analytical batch 880-21609 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21661 and analytical batch 880-21675 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-9 15'

Lab Sample ID: 880-12428-1

Date Collected: 03/14/22 10:25

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 03/16/22 08:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *1      | 50.0     | mg/Kg |   | 03/15/22 13:44 | 03/16/22 03:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 03/15/22 13:44 | 03/16/22 03:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 03/15/22 13:44 | 03/16/22 03:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 87        |           | 70 - 130 |       |   | 03/15/22 13:44 | 03/16/22 03:40 | 1       |
| o-Terphenyl (Surr)                   | 92        |           | 70 - 130 |       |   | 03/15/22 13:44 | 03/16/22 03:40 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 168    |           | 9.94 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 03:16 | 1       |

Client Sample ID: S-9 20'

Lab Sample ID: 880-12428-2

Date Collected: 03/14/22 10:30

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 03/16/22 08:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 12:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 12:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 12:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 107       |           | 70 - 130 |       |   | 03/15/22 15:59 | 03/16/22 12:02 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |       |   | 03/15/22 15:59 | 03/16/22 12:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 94.6   |           | 9.84 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 03:27 | 1       |

Client Sample ID: S-23 15'

Lab Sample ID: 880-12428-3

Date Collected: 03/14/22 11:15

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 33.1   |           | 9.82 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 03:39 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-23 20'

Lab Sample ID: 880-12428-4

Date Collected: 03/14/22 11:25

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 22.9   |           | 9.80 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 03:51 | 1       |

Client Sample ID: S-28 10'

Lab Sample ID: 880-12428-5

Date Collected: 03/14/22 11:40

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 20.3   |           | 10.2 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 04:27 | 1       |

Client Sample ID: S-28 15'

Lab Sample ID: 880-12428-6

Date Collected: 03/14/22 11:45

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 17.7   |           | 10.2 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 05:02 | 1       |

Client Sample ID: S-28 20'

Lab Sample ID: 880-12428-7

Date Collected: 03/14/22 11:50

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 49.2   |           | 10.1 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 05:14 | 1       |

Client Sample ID: S-39 0.5'

Lab Sample ID: 880-12428-8

Date Collected: 03/14/22 12:15

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 17:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 03/17/22 13:12 | 03/20/22 17:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 03/17/22 13:12 | 03/20/22 17:55 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 03/21/22 13:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 03/16/22 08:25 | 1       |

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## Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-39 0.5'

Lab Sample ID: 880-12428-8

Date Collected: 03/14/22 12:15

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:23 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 93        |           | 70 - 130 | 03/17/22 08:34 | 03/17/22 17:23 | 1       |
| o-Terphenyl (Surr)    | 87        |           | 70 - 130 | 03/17/22 08:34 | 03/17/22 17:23 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 26.5   |           | 10.0 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 05:26 | 1       |

Client Sample ID: S-39 1'

Lab Sample ID: 880-12428-9

Date Collected: 03/14/22 12:20

Matrix: Solid

Date Received: 03/15/22 09:56

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte        | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 18:16 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 03/17/22 13:12 | 03/20/22 18:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 03/17/22 13:12 | 03/20/22 18:16 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 03/21/22 13:26 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 03/16/22 08:25 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 03/17/22 08:34 | 03/17/22 17:44 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 102       |           | 70 - 130 | 03/17/22 08:34 | 03/17/22 17:44 | 1       |
| o-Terphenyl (Surr)    | 94        |           | 70 - 130 | 03/17/22 08:34 | 03/17/22 17:44 | 1       |

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Client Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-39 1'  
Date Collected: 03/14/22 12:20  
Date Received: 03/15/22 09:56

Lab Sample ID: 880-12428-9  
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Chloride | 26.7   |           | 10.2 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 05:38 | 1       |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Surrogate Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-12428-8                       | S-39 0.5'              | 105                                            | 111               |
| 880-12428-9                       | S-39 1'                | 93                                             | 93                |
| 890-2071-A-1-E MS                 | Matrix Spike           | 107                                            | 111               |
| 890-2071-A-1-F MSD                | Matrix Spike Duplicate | 108                                            | 112               |
| LCS 880-21734/1-A                 | Lab Control Sample     | 105                                            | 112               |
| LCSD 880-21734/2-A                | Lab Control Sample Dup | 105                                            | 112               |
| MB 880-21729/5-A                  | Method Blank           | 101                                            | 105               |
| MB 880-21734/5-A                  | Method Blank           | 101                                            | 103               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                             |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID               | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-12428-1                 | S-9 15'                | 87                                             | 92                |
| 880-12428-2                 | S-9 20'                | 107                                            | 104               |
| 880-12428-2 MS              | S-9 20'                | 99                                             | 86                |
| 880-12428-2 MSD             | S-9 20'                | 106                                            | 98                |
| 880-12428-8                 | S-39 0.5'              | 93                                             | 87                |
| 880-12428-9                 | S-39 1'                | 102                                            | 94                |
| 880-12491-A-1-B MS          | Matrix Spike           | 109                                            | 103               |
| 880-12491-A-1-C MSD         | Matrix Spike Duplicate | 116                                            | 104               |
| 890-2066-A-1-B MS           | Matrix Spike           | 90                                             | 80                |
| 890-2066-A-1-C MSD          | Matrix Spike Duplicate | 92                                             | 83                |
| LCS 880-21654/2-A           | Lab Control Sample     | 125                                            | 130               |
| LCS 880-21661/2-A           | Lab Control Sample     | 128                                            | 130               |
| LCS 880-21759/2-A           | Lab Control Sample     | 96                                             | 99                |
| LCSD 880-21654/3-A          | Lab Control Sample Dup | 115                                            | 125               |
| LCSD 880-21661/3-A          | Lab Control Sample Dup | 103                                            | 106               |
| LCSD 880-21759/3-A          | Lab Control Sample Dup | 109                                            | 113               |
| MB 880-21654/1-A            | Method Blank           | 96                                             | 100               |
| MB 880-21661/1-A            | Method Blank           | 120                                            | 126               |
| MB 880-21759/1-A            | Method Blank           | 103                                            | 105               |
| <b>Surrogate Legend</b>     |                        |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |                   |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21729/5-A

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21729

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 03/18/22 12:55 | 03/19/22 23:28 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101          |              | 70 - 130 | 03/18/22 12:55 | 03/19/22 23:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105          |              | 70 - 130 | 03/18/22 12:55 | 03/19/22 23:28 | 1       |

Lab Sample ID: MB 880-21734/5-A

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21734

| Analyte        | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 | mg/Kg |   | 03/17/22 13:12 | 03/20/22 10:24 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101          |              | 70 - 130 | 03/17/22 13:12 | 03/20/22 10:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103          |              | 70 - 130 | 03/17/22 13:12 | 03/20/22 10:24 | 1       |

Lab Sample ID: LCS 880-21734/1-A

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21734

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene      | 0.100       | 0.1095     |               | mg/Kg |   | 109  | 70 - 130     |
| Toluene      | 0.100       | 0.1069     |               | mg/Kg |   | 107  | 70 - 130     |
| Ethylbenzene | 0.100       | 0.1069     |               | mg/Kg |   | 107  | 70 - 130     |
| m,p-Xylenes  | 0.200       | 0.2187     |               | mg/Kg |   | 109  | 70 - 130     |
| o-Xylene     | 0.100       | 0.1086     |               | mg/Kg |   | 109  | 70 - 130     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 112           |               | 70 - 130 |

Lab Sample ID: LCSD 880-21734/2-A

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21734

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.100       | 0.09903     |                | mg/Kg |   | 99   | 70 - 130     | 10  | 35    |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-21734/2-A

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21734

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Toluene      | 0.100       | 0.09588     |                | mg/Kg |   | 96   | 70 - 130     | 11  | 35        |
| Ethylbenzene | 0.100       | 0.09652     |                | mg/Kg |   | 97   | 70 - 130     | 10  | 35        |
| m,p-Xylenes  | 0.200       | 0.1979      |                | mg/Kg |   | 99   | 70 - 130     | 10  | 35        |
| o-Xylene     | 0.100       | 0.09833     |                | mg/Kg |   | 98   | 70 - 130     | 10  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 105            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 112            |                | 70 - 130 |

Lab Sample ID: 890-2071-A-1-E MS

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21734

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00200      | U                | 0.101       | 0.08638   |              | mg/Kg |   | 86   | 70 - 130     |     |           |
| Toluene      | <0.00200      | U                | 0.101       | 0.07999   |              | mg/Kg |   | 79   | 70 - 130     |     |           |
| Ethylbenzene | <0.00200      | U                | 0.101       | 0.07898   |              | mg/Kg |   | 78   | 70 - 130     |     |           |
| m,p-Xylenes  | <0.00399      | U F1             | 0.202       | 0.1275    | F1           | mg/Kg |   | 63   | 70 - 130     |     |           |
| o-Xylene     | <0.00200      | U                | 0.101       | 0.08010   |              | mg/Kg |   | 79   | 70 - 130     |     |           |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 107          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111          |              | 70 - 130 |

Lab Sample ID: 890-2071-A-1-F MSD

Matrix: Solid

Analysis Batch: 21936

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21734

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene      | <0.00200      | U                | 0.101       | 0.09012    |               | mg/Kg |   | 89   | 70 - 130     | 4   | 35        |
| Toluene      | <0.00200      | U                | 0.101       | 0.08254    |               | mg/Kg |   | 81   | 70 - 130     | 3   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.101       | 0.07898    |               | mg/Kg |   | 78   | 70 - 130     | 0   | 35        |
| m,p-Xylenes  | <0.00399      | U F1             | 0.202       | 0.1208     | F1            | mg/Kg |   | 60   | 70 - 130     | 5   | 35        |
| o-Xylene     | <0.00200      | U                | 0.101       | 0.08126    |               | mg/Kg |   | 81   | 70 - 130     | 1   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 108           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 112           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-21654/1-A

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 03/15/22 13:44 | 03/15/22 19:54 | 1       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-21654/1-A

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 03/15/22 13:44 | 03/15/22 19:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 03/15/22 13:44 | 03/15/22 19:54 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 96              |                 | 70 - 130 |       |   | 03/15/22 13:44 | 03/15/22 19:54 | 1       |
| o-Terphenyl (Surr)                   | 100             |                 | 70 - 130 |       |   | 03/15/22 13:44 | 03/15/22 19:54 | 1       |

Lab Sample ID: LCS 880-21654/2-A

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1076             |                  | mg/Kg |   | 108  | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | 1000             | 1203             |                  | mg/Kg |   | 120  | 70 - 130        |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                 |
| 1-Chlorooctane (Surr)                | 125              |                  | 70 - 130         |       |   |      |                 |
| o-Terphenyl (Surr)                   | 130              |                  | 70 - 130         |       |   |      |                 |

Lab Sample ID: LCSD 880-21654/3-A

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 874.0             | *1                | mg/Kg |   | 87   | 70 - 130        | 21  | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1188              |                   | mg/Kg |   | 119  | 70 - 130        | 1   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                 |     |              |
| 1-Chlorooctane (Surr)                | 115               |                   | 70 - 130          |       |   |      |                 |     |              |
| o-Terphenyl (Surr)                   | 125               |                   | 70 - 130          |       |   |      |                 |     |              |

Lab Sample ID: 890-2066-A-1-B MS

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8            | U *1                | 998            | 879.9        |                 | mg/Kg |   | 86   | 70 - 130        |
| Diesel Range Organics (Over C10-C28) | <49.8            | U                   | 998            | 779.6        |                 | mg/Kg |   | 76   | 70 - 130        |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                 |
| 1-Chlorooctane (Surr)                | 90               |                     | 70 - 130       |              |                 |       |   |      |                 |
| o-Terphenyl (Surr)                   | 80               |                     | 70 - 130       |              |                 |       |   |      |                 |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2066-A-1-C MSD

Matrix: Solid

Analysis Batch: 21609

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21654

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U *1             | 999         | 888.4      |               | mg/Kg |   | 87   | 70 - 130     | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 999         | 808.4      |               | mg/Kg |   | 78   | 70 - 130     | 4   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |              |     |           |
| 1-Chlorooctane (Surr)                | 92            |                  | 70 - 130    |            |               |       |   |      |              |     |           |
| o-Terphenyl (Surr)                   | 83            |                  | 70 - 130    |            |               |       |   |      |              |     |           |

Lab Sample ID: MB 880-21661/1-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21661

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 11:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 11:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 03/15/22 15:59 | 03/16/22 11:01 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 120          |              | 70 - 130 |       |   | 03/15/22 15:59 | 03/16/22 11:01 | 1       |
| o-Terphenyl (Surr)                   | 126          |              | 70 - 130 |       |   | 03/15/22 15:59 | 03/16/22 11:01 | 1       |

Lab Sample ID: LCS 880-21661/2-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21661

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|--------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 1020          |               | mg/Kg |   | 102  | 70 - 130     |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 1216          |               | mg/Kg |   | 122  | 70 - 130     |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |              |  |  |
| 1-Chlorooctane (Surr)                | 128           |               | 70 - 130      |       |   |      |              |  |  |
| o-Terphenyl (Surr)                   | 130           |               | 70 - 130      |       |   |      |              |  |  |

Lab Sample ID: LCSD 880-21661/3-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21661

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 822.8       | *1             | mg/Kg |   | 82   | 70 - 130     | 21  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1037        |                | mg/Kg |   | 104  | 70 - 130     | 16  | 20        |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-21661/3-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21661

|                       | LCSD      | LCSD      |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 103       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 |

Lab Sample ID: 880-12428-2 MS

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: S-9 20'

Prep Type: Total/NA

Prep Batch: 21661

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec.    |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 998      | 1019   |           | mg/Kg |   | 102  | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 998      | 942.4  |           | mg/Kg |   | 94   | 70 - 130 |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane (Surr)                | 99        |           | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl (Surr)                   | 86        |           | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: 880-12428-2 MSD

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: S-9 20'

Prep Type: Total/NA

Prep Batch: 21661

|                                      | Sample    | Sample    | Spike    | MSD    | MSD       |       |   |      | %Rec.    |     | RPD   |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 999      | 1005   |           | mg/Kg |   | 101  | 70 - 130 | 1   | 20    |  |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 999      | 1070   |           | mg/Kg |   | 107  | 70 - 130 | 13  | 20    |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl (Surr)                   | 98        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |

Lab Sample ID: MB 880-21759/1-A

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21759

|                                      | MB        | MB        |          |       |   |                |                |         |  |  |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|--|
| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 03/17/22 08:34 | 03/17/22 10:45 | 1       |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 03/17/22 08:34 | 03/17/22 10:45 | 1       |  |  |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 03/17/22 08:34 | 03/17/22 10:45 | 1       |  |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |  |
| 1-Chlorooctane (Surr)                | 103       |           | 70 - 130 |       |   | 03/17/22 08:34 | 03/17/22 10:45 | 1       |  |  |
| o-Terphenyl (Surr)                   | 105       |           | 70 - 130 |       |   | 03/17/22 08:34 | 03/17/22 10:45 | 1       |  |  |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-21759/2-A

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21759

| Analyte                              |           |           | Spike    | LCS    | LCS       | Unit  | D | %Rec. |          |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|--|
|                                      |           |           | Added    | Result | Qualifier |       |   | %Rec  |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 738.6  |           | mg/Kg |   | 74    | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 925.7  |           | mg/Kg |   | 93    | 70 - 130 |  |
|                                      |           |           |          |        |           |       |   |       |          |  |
| Surrogate                            | LCS       | LCS       |          |        |           |       |   |       |          |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |       |          |  |
| 1-Chlorooctane (Surr)                | 96        |           | 70 - 130 |        |           |       |   |       |          |  |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |        |           |       |   |       |          |  |

Lab Sample ID: LCSD 880-21759/3-A

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21759

|                                      |           |           | Spike    | LCSD   | LCSD      |       |   |      | %Rec.    | RPD |       |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 810.1  |           | mg/Kg |   | 81   | 70 - 130 | 9   | 20    |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 1094   |           | mg/Kg |   | 109  | 70 - 130 | 17  | 20    |
|                                      |           |           | LCSD     | LCSD   |           |       |   |      |          |     |       |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |        |           |       |   |      |          |     |       |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |        |           |       |   |      |          |     |       |

Lab Sample ID: 880-12491-A-1-B MS

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21759

|                                      | Sample       | Sample       | Spike    | MS     | MS        |       |   |      | %Rec.    |  |  |
|--------------------------------------|--------------|--------------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              | Result       | Qualifier    | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8        | U            | 998      | 1009   |           | mg/Kg |   | 99   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | <49.8        | U            | 998      | 1057   |           | mg/Kg |   | 106  | 70 - 130 |  |  |
|                                      |              |              |          |        |           |       |   |      |          |  |  |
| Surrogate                            | MS %Recovery | MS Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane (Surr)                | 109          |              | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl (Surr)                   | 103          |              | 70 - 130 |        |           |       |   |      |          |  |  |

Lab Sample ID: 880-12491-A-1-C MSD

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21759

|                                      | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec.    |     | RPD   |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 999   | 1128   |           | mg/Kg |   | 111  | 70 - 130 | 11  | 20    |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 999   | 1086   |           | mg/Kg |   | 109  | 70 - 130 | 3   | 20    |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |
|                                      |        |           |       |        |           |       |   |      |          |     |       |

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## QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-12491-A-1-C MSD

Matrix: Solid

Analysis Batch: 21766

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21759

|                            | MSD       | MSD       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl (Surr) | 104       |           | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-46894/3

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <1.00        | U               | 1.00 | mg/Kg |   |          | 03/30/22 16:34 | 1       |

Lab Sample ID: LLCS 860-46894/5

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|
| Chloride | 0.500          | 0.5455         | J                 | mg/Kg |   | 109  |                 |

Lab Sample ID: MB 860-47051/1-A

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47051

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 | mg/Kg |   | 03/30/22 19:18 | 03/31/22 02:04 | 1       |

Lab Sample ID: LCS 860-47051/2-A

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47051

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 100            | 95.12         |                  | mg/Kg |   | 95   | 80 - 120        |

Lab Sample ID: LCSD 860-47051/3-A

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47051

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 100            | 96.01          |                   | mg/Kg |   | 96   | 80 - 120        | 1   | 20           |

Lab Sample ID: 880-12428-5 MS

Matrix: Solid

Analysis Batch: 46894

Client Sample ID: S-28 10'

Prep Type: Total/NA

Prep Batch: 47051

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 20.3             |                     | 101            | 127.9        |                 | mg/Kg |   | 107  | 80 - 120        |

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                |               |                  |             |            |               |       |                            |      |              |     |           |  |
|--------------------------------|---------------|------------------|-------------|------------|---------------|-------|----------------------------|------|--------------|-----|-----------|--|
| Lab Sample ID: 880-12428-5 MSD |               |                  |             |            |               |       | Client Sample ID: S-28 10' |      |              |     |           |  |
| Matrix: Solid                  |               |                  |             |            |               |       | Prep Type: Total/NA        |      |              |     |           |  |
| Analysis Batch: 46894          |               |                  |             |            |               |       | Prep Batch: 47051          |      |              |     |           |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D                          | %Rec | %Rec. Limits | RPD | RPD Limit |  |
| Chloride                       | 20.3          |                  | 100         | 127.6      |               | mg/Kg |                            | 107  | 80 - 120     | 0   | 20        |  |

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## GC VOA

## Prep Batch: 21729

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-21729/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 21734

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-12428-8        | S-39 0.5'              | Total/NA  | Solid  | 5035   |            |
| 880-12428-9        | S-39 1'                | Total/NA  | Solid  | 5035   |            |
| MB 880-21734/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-21734/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-21734/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-2071-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-2071-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 21936

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-12428-8        | S-39 0.5'              | Total/NA  | Solid  | 8021B  | 21734      |
| 880-12428-9        | S-39 1'                | Total/NA  | Solid  | 8021B  | 21734      |
| MB 880-21729/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 21729      |
| MB 880-21734/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 21734      |
| LCS 880-21734/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 21734      |
| LCSD 880-21734/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 21734      |
| 890-2071-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 21734      |
| 890-2071-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 21734      |

## Analysis Batch: 22083

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-12428-8   | S-39 0.5'        | Total/NA  | Solid  | Total BTEX |            |
| 880-12428-9   | S-39 1'          | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 21609

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-12428-1        | S-9 15'                | Total/NA  | Solid  | 8015B NM | 21654      |
| MB 880-21654/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 21654      |
| LCS 880-21654/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 21654      |
| LCSD 880-21654/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 21654      |
| 890-2066-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 21654      |
| 890-2066-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 21654      |

## Prep Batch: 21654

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-12428-1        | S-9 15'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-21654/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-21654/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-21654/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-2066-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-2066-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 21661

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-12428-2   | S-9 20'          | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## GC Semi VOA (Continued)

## Prep Batch: 21661 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| MB 880-21661/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-21661/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-21661/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-12428-2 MS     | S-9 20'                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-12428-2 MSD    | S-9 20'                | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 21675

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-12428-2        | S-9 20'                | Total/NA  | Solid  | 8015B NM | 21661      |
| MB 880-21661/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 21661      |
| LCS 880-21661/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 21661      |
| LCSD 880-21661/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 21661      |
| 880-12428-2 MS     | S-9 20'                | Total/NA  | Solid  | 8015B NM | 21661      |
| 880-12428-2 MSD    | S-9 20'                | Total/NA  | Solid  | 8015B NM | 21661      |

## Analysis Batch: 21691

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-12428-1   | S-9 15'          | Total/NA  | Solid  | 8015 NM |            |
| 880-12428-2   | S-9 20'          | Total/NA  | Solid  | 8015 NM |            |
| 880-12428-8   | S-39 0.5'        | Total/NA  | Solid  | 8015 NM |            |
| 880-12428-9   | S-39 1'          | Total/NA  | Solid  | 8015 NM |            |

## Prep Batch: 21759

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-12428-8         | S-39 0.5'              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-12428-9         | S-39 1'                | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-21759/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-21759/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-21759/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-12491-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-12491-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 21766

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-12428-8         | S-39 0.5'              | Total/NA  | Solid  | 8015B NM | 21759      |
| 880-12428-9         | S-39 1'                | Total/NA  | Solid  | 8015B NM | 21759      |
| MB 880-21759/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 21759      |
| LCS 880-21759/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 21759      |
| LCSD 880-21759/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 21759      |
| 880-12491-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 21759      |
| 880-12491-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 21759      |

## HPLC/IC

## Analysis Batch: 46894

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-12428-1   | S-9 15'          | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-2   | S-9 20'          | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-3   | S-23 15'         | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-4   | S-23 20'         | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-5   | S-28 10'         | Total/NA  | Solid  | 300.0  | 47051      |

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## QC Association Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

## HPLC/IC (Continued)

## Analysis Batch: 46894 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-12428-6        | S-28 15'               | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-7        | S-28 20'               | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-8        | S-39 0.5'              | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-9        | S-39 1'                | Total/NA  | Solid  | 300.0  | 47051      |
| MB 860-46894/3     | Method Blank           | Total/NA  | Solid  | 300.0  |            |
| MB 860-47051/1-A   | Method Blank           | Total/NA  | Solid  | 300.0  | 47051      |
| LCS 860-47051/2-A  | Lab Control Sample     | Total/NA  | Solid  | 300.0  | 47051      |
| LCSD 860-47051/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 300.0  | 47051      |
| LLCS 860-46894/5   | Lab Control Sample     | Total/NA  | Solid  | 300.0  |            |
| 880-12428-5 MS     | S-28 10'               | Total/NA  | Solid  | 300.0  | 47051      |
| 880-12428-5 MSD    | S-28 10'               | Total/NA  | Solid  | 300.0  | 47051      |

## Prep Batch: 47051

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-12428-1        | S-9 15'                | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-2        | S-9 20'                | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-3        | S-23 15'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-4        | S-23 20'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-5        | S-28 10'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-6        | S-28 15'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-7        | S-28 20'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-8        | S-39 0.5'              | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-9        | S-39 1'                | Total/NA  | Solid  | 300_Prep |            |
| MB 860-47051/1-A   | Method Blank           | Total/NA  | Solid  | 300_Prep |            |
| LCS 860-47051/2-A  | Lab Control Sample     | Total/NA  | Solid  | 300_Prep |            |
| LCSD 860-47051/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-5 MS     | S-28 10'               | Total/NA  | Solid  | 300_Prep |            |
| 880-12428-5 MSD    | S-28 10'               | Total/NA  | Solid  | 300_Prep |            |

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-9 15'

Lab Sample ID: 880-12428-1

Date Collected: 03/14/22 10:25

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 21691        | 03/16/22 08:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 21654        | 03/15/22 13:44       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 21609        | 03/16/22 03:40       | AJ      | XEN MID |
| Total/NA  | Prep       | 300_Prep     |     |            | 5.03 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 03:16       | A1S     | XEN STF |

Client Sample ID: S-9 20'

Lab Sample ID: 880-12428-2

Date Collected: 03/14/22 10:30

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 21691        | 03/16/22 08:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 21661        | 03/15/22 15:59       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 21675        | 03/16/22 12:02       | AJ      | XEN MID |
| Total/NA  | Prep       | 300_Prep     |     |            | 5.08 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 03:27       | A1S     | XEN STF |

Client Sample ID: S-23 15'

Lab Sample ID: 880-12428-3

Date Collected: 03/14/22 11:15

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 300_Prep     |     |            | 5.09 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 03:39       | A1S     | XEN STF |

Client Sample ID: S-23 20'

Lab Sample ID: 880-12428-4

Date Collected: 03/14/22 11:25

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 300_Prep     |     |            | 5.10 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 03:51       | A1S     | XEN STF |

Client Sample ID: S-28 10'

Lab Sample ID: 880-12428-5

Date Collected: 03/14/22 11:40

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 300_Prep     |     |            | 4.92 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 04:27       | A1S     | XEN STF |

Eurofins Midland

## Lab Chronicle

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Client Sample ID: S-28 15'

Lab Sample ID: 880-12428-6

Date Collected: 03/14/22 11:45

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 300_Prep     |     |            | 4.92 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 05:02       | A1S     | XEN STF |

Client Sample ID: S-28 20'

Lab Sample ID: 880-12428-7

Date Collected: 03/14/22 11:50

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 300_Prep     |     |            | 4.93 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 05:14       | A1S     | XEN STF |

Client Sample ID: S-39 0.5'

Lab Sample ID: 880-12428-8

Date Collected: 03/14/22 12:15

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 21734        | 03/17/22 13:12       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 21936        | 03/20/22 17:55       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 22083        | 03/21/22 13:26       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 21691        | 03/16/22 08:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 21759        | 03/17/22 08:34       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 21766        | 03/17/22 17:23       | AJ      | XEN MID |
| Total/NA  | Prep       | 300_Prep     |     |            | 4.98 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 05:26       | A1S     | XEN STF |

Client Sample ID: S-39 1'

Lab Sample ID: 880-12428-9

Date Collected: 03/14/22 12:20

Matrix: Solid

Date Received: 03/15/22 09:56

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 21734        | 03/17/22 13:12       | KL      | XEN MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 21936        | 03/20/22 18:16       | KL      | XEN MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 22083        | 03/21/22 13:26       | AJ      | XEN MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 21691        | 03/16/22 08:25       | AJ      | XEN MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 21759        | 03/17/22 08:34       | DM      | XEN MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          |                |              | 21766        | 03/17/22 17:44       | AJ      | XEN MID |
| Total/NA  | Prep       | 300_Prep     |     |            | 4.91 g         | 50 mL        | 47051        | 03/30/22 19:18       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 46894        | 03/31/22 05:38       | A1S     | XEN STF |

## Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400-21-22      | 06-30-22        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

## Method Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

| Method      | Method Description                     | Protocol | Laboratory |
|-------------|----------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)        | SW846    | XEN MID    |
| Total BTEX  | Total BTEX Calculation                 | TAL SOP  | XEN MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)       | SW846    | XEN MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)       | SW846    | XEN MID    |
| 300.0       | Anions, Ion Chromatography             | MCAWW    | XEN STF    |
| 300_Prep    | Anions, Ion Chromatography, 10% Wt/Vol | MCAWW    | XEN STF    |
| 5035        | Closed System Purge and Trap           | SW846    | XEN MID    |
| 8015NM Prep | Microextraction                        | SW846    | XEN MID    |

**Protocol References:**

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440  
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

## Sample Summary

Client: Larson & Associates, Inc.  
Project/Site: Limestone 1H

Job ID: 880-12428-1  
SDG: 21-0100-24

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-12428-1   | S-9 15'          | Solid  | 03/14/22 10:25 | 03/15/22 09:56 |
| 880-12428-2   | S-9 20'          | Solid  | 03/14/22 10:30 | 03/15/22 09:56 |
| 880-12428-3   | S-23 15'         | Solid  | 03/14/22 11:15 | 03/15/22 09:56 |
| 880-12428-4   | S-23 20'         | Solid  | 03/14/22 11:25 | 03/15/22 09:56 |
| 880-12428-5   | S-28 10'         | Solid  | 03/14/22 11:40 | 03/15/22 09:56 |
| 880-12428-6   | S-28 15'         | Solid  | 03/14/22 11:45 | 03/15/22 09:56 |
| 880-12428-7   | S-28 20'         | Solid  | 03/14/22 11:50 | 03/15/22 09:56 |
| 880-12428-8   | S-39 0.5'        | Solid  | 03/14/22 12:15 | 03/15/22 09:56 |
| 880-12428-9   | S-39 1'          | Solid  | 03/14/22 12:20 | 03/15/22 09:56 |

# Varson & Associates, Inc.

Environmental Consultants

507 N. Marrenfeld, Ste 202

Midland, TX 79701

432-687-0901

Data Reported to

 DATE: 3/15/2022 PAGE 1 OF 1  
 PO#: LAB WORK ORDER#:  
 PROJECT LOCATION OR NAME: LIME STONE 14  
 LAI PROJECT #: 21-0100-24 COLLECTOR: hsg

 TRRP report?  
☐ Yes ☒ No

 S=SOIL  
 W=WATER  
 A=AIR  
 P=PAINT  
 SL=SLUDGE  
 OT=OTHER

 TIME ZONE  
 Time zone/State  
 MNT / NMT

 Field  
 Sample ID

Lab #

Date

Time

Matrix

# of Containers

HCl

HNO<sub>3</sub>H<sub>2</sub>SO<sub>4</sub> ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PCBS ☐TCPL - METALS (RCRA) ☐TOTAL METALS (RCRA) ☐LEAD - TOTAL ☐RCI ☐ TOX ☐ FLASHPOINT ☐TDS ☐ TSS ☐ % MOISTURE ☐pH ☐ HEXAVALENT CHROMIUM ☐EXPLOSIVES ☐ PECHLORATE ☐CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

 S-9 15' 3/14/2022 1025 S 1  
 S-9 20' 1030  
 S-23 15' 1115  
 S-23 20' 1125  
 S-28 10' 1140  
 S-28 15' 1145  
 S-28 20' 1150  
 S-39 0.5 1215  
 S-39 1' 1220

Lab #

Date

Time

Matrix

# of Containers

HCl

HNO<sub>3</sub>H<sub>2</sub>SO<sub>4</sub> ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PCBS ☐TCPL - METALS (RCRA) ☐TOTAL METALS (RCRA) ☐LEAD - TOTAL ☐RCI ☐ TOX ☐ FLASHPOINT ☐TDS ☐ TSS ☐ % MOISTURE ☐pH ☐ HEXAVALENT CHROMIUM ☐EXPLOSIVES ☐ PECHLORATE ☐CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

TOTAL 9

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

TURN AROUND TIME

LABORATORY USE ONLY

RECEIVING TEMP

THERM#

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

TURN AROUND TIME

LABORATORY USE ONLY

RECEIVING TEMP

THERM#

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

TURN AROUND TIME

LABORATORY USE ONLY

RECEIVING TEMP

THERM#

LABORATORY XEN/00

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

TURN AROUND TIME

LABORATORY USE ONLY

RECEIVING TEMP

THERM#



880-12428 Chain of Custody

**Eurofins Midland Temp** 16.g IR ID:HOU-323  
 1211 W Florida Ave C/F +0.2  
 Midland, TX 79701 Corrected Temp: 17.0  
 Phone: 432-704-5440

## Chain of Custody Record



Environment Testing  
 America

880-12428 Chain of Custody

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                     |                  |                       |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------|-----------------------|------------------------------|
| <b>Client Information (Sub Contract Lab)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         | Sampler                             | Lab P/N:         | Carrier Tracking No.: | VOL. NO.:                    |
| Client Contact:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Phone:                                  | Taylor Holly                        | State of Origin: | 880-40911             | Page:                        |
| Shipping/Receiving:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | E-Mail:                                 | holly.taylor@eurofins.com           | New Mexico       | Page 1 of 1           | Lot #:                       |
| Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Eurofins Environment Testing South Cent | Accreditations Required (See note): | NELAP Texas      | 880-12428-1           | Preservation Codes:          |
| Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4145 Greenbriar Dr                      | Date Data Requested:                | 3/21/2022        | TAI Requested (days): |                              |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stafford                                | Sample Date                         | 3/14/22          | Sample Time           | 10:25                        |
| State, Zip:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TX 77477                                | Sample Type                         | (C=Comp, G=grab) | Matrix                | (Venous, Serum, Urine, etc.) |
| Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 261-240-4200 (Tel)                      | PO #:                               |                  | W/O #:                |                              |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         | Project #:                          | 88000254         | SSOW#:                |                              |
| Project Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Limestone 1H                            |                                     |                  |                       |                              |
| Site:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |                                     |                  |                       |                              |
| <b>Analysis Requested</b><br>300_ORGFM_28D/300_Prep Chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |                                     |                  |                       |                              |
| <b>Special Instructions/Note:</b><br>300_ORGFM_28D/300_Prep Chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |                                     |                  |                       |                              |
| <b>Sample Identification Client ID (Lab ID)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                     |                  |                       |                              |
| S-9 15' (880-12428-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3/14/22                                 | 10:25                               | Solid            | X                     |                              |
| S-9 20' (880-12428-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3/14/22                                 | 10:30                               | Solid            | X                     |                              |
| S-23 15' (880-12428-3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3/14/22                                 | 11:15                               | Solid            | X                     |                              |
| S-23 20' (880-12428-4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3/14/22                                 | 11:25                               | Solid            | X                     |                              |
| S-28 10' (880-12428-5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3/14/22                                 | 11:40                               | Solid            | X                     |                              |
| S-28 15' (880-12428-6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3/14/22                                 | 11:45                               | Solid            | X                     |                              |
| S-28 20' (880-12428-7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3/14/22                                 | 11:50                               | Solid            | X                     |                              |
| S-39 0.5' (880-12428-8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3/14/22                                 | 12:15                               | Solid            | X                     |                              |
| S-39 1' (880-12428-9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3/14/22                                 | 12:20                               | Solid            | X                     |                              |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC. |                                         |                                     |                  |                       |                              |
| <b>Possible Hazard Identification</b><br>Unconfirmed<br>Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                     |                  |                       |                              |
| Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                     |                  |                       |                              |
| Relinquished by: <i>Steve Rodriguez</i> Date/Time: _____ Company: _____ Received by: <i>Steve Jones</i> Date/Time: <i>3/26/22 4:10</i> Company: <i>Euro</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |                                     |                  |                       |                              |
| Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                         |                                     |                  |                       |                              |
| Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No. _____ Cooler Temperature(s) °C and Other Remarks: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                                     |                  |                       |                              |

## Login Sample Receipt Checklist

Client: Larson &amp; Associates, Inc.

Job Number: 880-12428-1

SDG Number: 21-0100-24

Login Number: 12428

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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?                                      | True   |         |
| 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.                                                    | N/A    |         |
| 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    |         |

## Login Sample Receipt Checklist

Client: Larson &amp; Associates, Inc.

Job Number: 880-12428-1

SDG Number: 21-0100-24

Login Number: 12428

List Number: 2

Creator: Torres, Sandra

List Source: Eurofins Houston

List Creation: 03/26/22 01:03 PM

| Question                                                                         | Answer | Comment                                                   |
|----------------------------------------------------------------------------------|--------|-----------------------------------------------------------|
| 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.                                                    | False  | Refer to Job Narrative for details.                       |
| Cooler Temperature is acceptable.                                                | False  | Cooler temperature outside required temperature criteria. |
| Cooler Temperature is recorded.                                                  | True   | 17.0                                                      |
| 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?                                      | True   |                                                           |
| 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").  | True   |                                                           |

## **Appendix D**

### **Photographs**

Tracking Number: nAPP212639500  
Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022



Impacted area and soil pile viewing east, August 26, 2021



Impacted area viewing northeast, August 26, 2021

Tracking Number: nAPP212639500  
Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022



Impacted area and soil pile viewing north, August 26, 2021



Impacted area viewing east, August 26, 2021

Tracking Number: nAPP212639500  
Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022



Impacted area viewing west, August 26, 2021



Impacted area viewing southwest, August 26, 2021

Tracking Number: nAPP212639500  
Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022



Impacted area and soil pile viewing northwest, August 26, 2021



Impacted area and soil pile viewing northwest, August 26, 2021

Tracking Number: nAPP212639500  
Delineation Report and Remediation Plan  
Limestone 1H, Chevron USA, Inc.  
Produced Water Release  
May 3, 2022



Impacted area viewing west, August 26, 2021

|                |               |
|----------------|---------------|
| Incident ID    | nAPP212639500 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Site Assessment/Characterization

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

|                                                                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | <u>&gt;61.75</u> (ft bgs)                                           |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

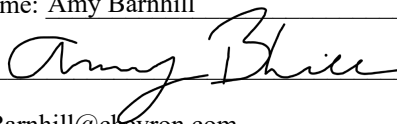
|                |               |
|----------------|---------------|
| Incident ID    | nAPP212639500 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

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

Printed Name: Amy Barnhill

Title: Waste and Water Specialist

Signature:



Date: 7-19-22

email: ABarnhill@chevron.com

Telephone: 432-687-7108

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

|                |               |
|----------------|---------------|
| Incident ID    | nAPP212639500 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Remediation Plan

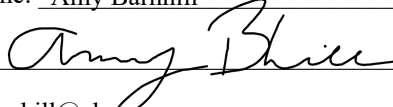
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Amy BarnhillTitle: Waste and Water SpecialistSignature: Date: 7-19-22email: ABarnhill@chevron.comTelephone: 432-687-7108**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Date: 07/20/2022

**Tracking Number: nAPP212639500**  
**Amended Delineation Report and Remediation Plan**  
**Limestone 1H**  
**Produced Water Release**  
**Lea County, New Mexico**

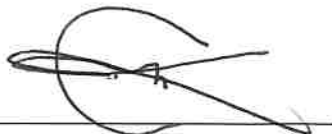
Latitude: N 32.326083°  
Longitude: W 103.549906°

LAI Project No. 21-0100-24

July 8, 2022

Prepared for:  
Chevron USA Inc.  
6301 Deauville Blvd.  
Midland, Texas 79706

Prepared by:  
Larson & Associates, Inc.  
507 North Marienfeld Street, Suite 202  
Midland, Texas 79701



Mark J. Larson, P.G.  
Certified Professional Geologist #10490



Robert Nelson  
Sr. Geoscientist

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    1.3 Remediation Action Levels.....1

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| Figure 2 | Aerial Map Showing Spill Area and Soil Sample Locations    |
| Figure 3 | Aerial Map Showing Proposed Excavation Locations and GWB-1 |

**Appendices**

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| Appendix A | OCD Communications |
| Appendix B | GWB-1 Boring Log   |

Tracking Number: nAPP212639500  
Amended Delineation Report and Remediation Plan  
Chevron USA, Inc., Limestone 1H  
Produced Water Release  
July 8, 2022

## 1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this amended delineation report and remediation plan on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 1 for a produced water release at the Limestone 1H (Site) located in Unit D (NW/4, NW/4), Section 11, Township 26 South, Range 33 East in Lea County New Mexico. The geodetic position is North 32.326083° and West -103.549906°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

### 1.1 Background

The release was discovered on July 24, 2021, due to a frac hit resulting in the stuffing box blowing out. Chevron reported that 219 barrels (bbls) of produced water were released with 40 bbls recovered. On July 27, 2021, the well was frac hit again resulting in the release of 5,400 bbls of produced water. An emergency berm was constructed to contain water to the location. Chevron reported that all standing water from the second release was recovered via vacuum trucks. The affected area measures approximately 60,428 square feet or about 1.14 acres. The initial C-141 was submitted to the NMOCD district 1 on August 4, 2021, and updated on August 9, 2021, to account for the second release. The releases were assigned incident number nAPP2106659781.

On May 3, 2022, a report titled, "Tracking Number: nAPP212639500, Delineation Report and Remediation Plan, Limestone 1H, Produced Water Release, Lea County, New Mexico" was submitted to the NMOCD. On May 24, 2022, LAI personnel received a phone call from Ms. Jennifer Nobui with the NMOCD regarding the depth to groundwater data referenced in the report dated May 3, 2022. Ms. Nobui, on behalf of NMOCD, requested that Chevron confirm the depth to groundwater by drilling a borehole within 0.5 miles of the release and measure depth to groundwater after 72 hours of being drilled. LAI requested that NMOCD provide the request in an email. Appendix A presents OCD communications.

On June 16, 2022, Scarborough Drilling, Inc. (SDI), under LAI supervision, used an air rotary drilling rig to drill a boring (GWB-1) in an undisturbed area approximately 30 feet south of the Site. The boring was drilled to approximately 65 feet bgs. The boring was gauged with an electronic water level meter approximately 72 hours after drilling and was found dry at 61.75 feet bgs. The boring was plugged with bentonite. Appendix B presents the soil boring log.

### 1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,137 feet above mean sea level (msl). The surface topography gradually decreases to the southeast.
- There are no karst or surface water features within 1,000 feet of the Site.
- The soils are designated as "Pyote and Maljamar fine sands, 0 to 3 percent slopes", consisting of 0 to 24 inches of fine sand, underlain by 24 to 50 inches of a sandy clay loam, and 50 to 60 inches of cemented material (caliche).
- The geology is Eolian and piedmont deposits (Holocene to middle Pleistocene)- interlayered eolian sands and piedmont-slope deposits,
- Groundwater occurs greater than 61.75 feet bgs based on depth to groundwater measurements 72 hours after installing a temporary monitor well (GWB-1) on June 16, 2022.

Tracking Number: nAPP212639500  
Amended Delineation Report and Remediation Plan  
Chevron USA, Inc., Limestone 1H  
Produced Water Release  
July 8, 2022

### **1.3 Remediation Action Levels**

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 10,000 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

## **2.0 REMEDIATION PLAN APPROVAL REQUEST**

The remediation plan proposed in "Tracking Number: nAPP212639500, Delineation Report and Remediation Plan, Limestone 1H, Produced Water Release, Lea County, New Mexico" upholds the OCD remediation standards presented in Table 1 of 19.15.29 NMAC and the surface restoration requirements in 19.15.29.13 NMAC based on the depth to groundwater bore completed on June 16, 2022. Chevron respectfully requests approval of the remediation plan as proposed in the report dated May 3, 2022.

## **Figures**

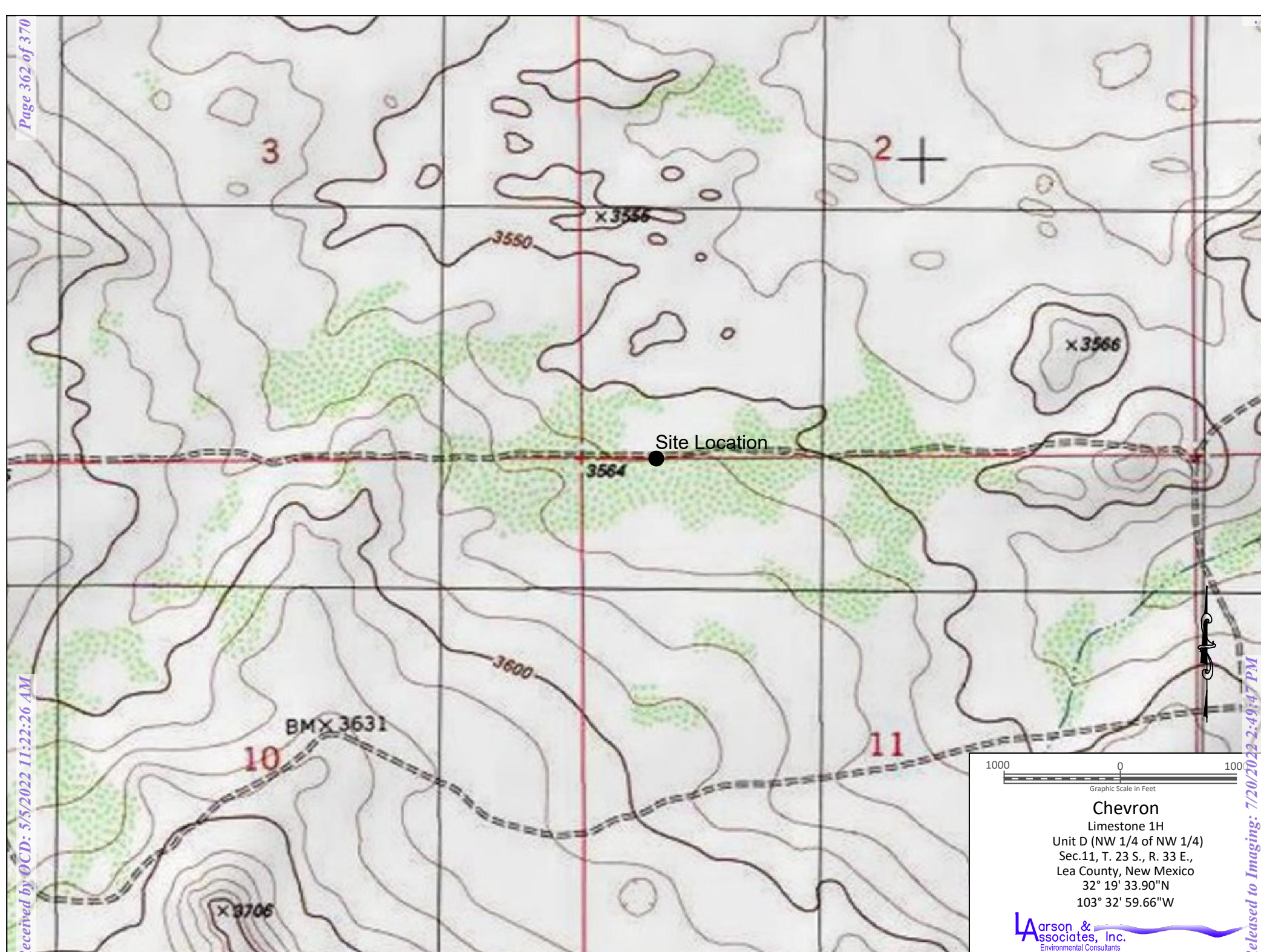
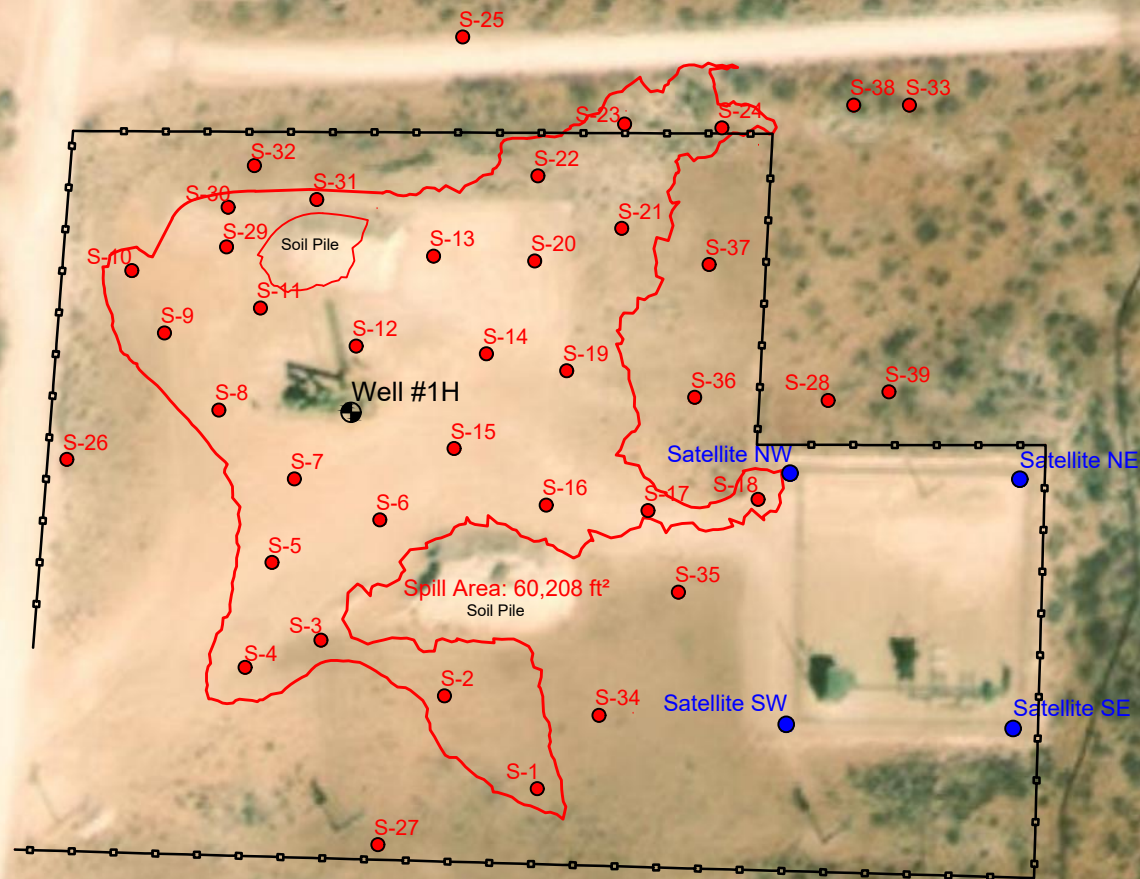
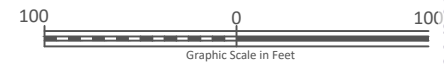


Figure 1 - Topographic Map



**Legend**

- Fence Line
- Spill Area
- Limestone Satellite Location
- Soil Sample Location



**Chevron**  
Limestone 1H  
Unit D (NW 1/4 of NW 1/4)  
Sec.11, T. 23 S., R. 33 E.,  
Lea County, New Mexico  
32° 19' 33.90"N  
103° 32' 59.66"W



Figure 2 - Aerial Map Showing Soil Sample Locations

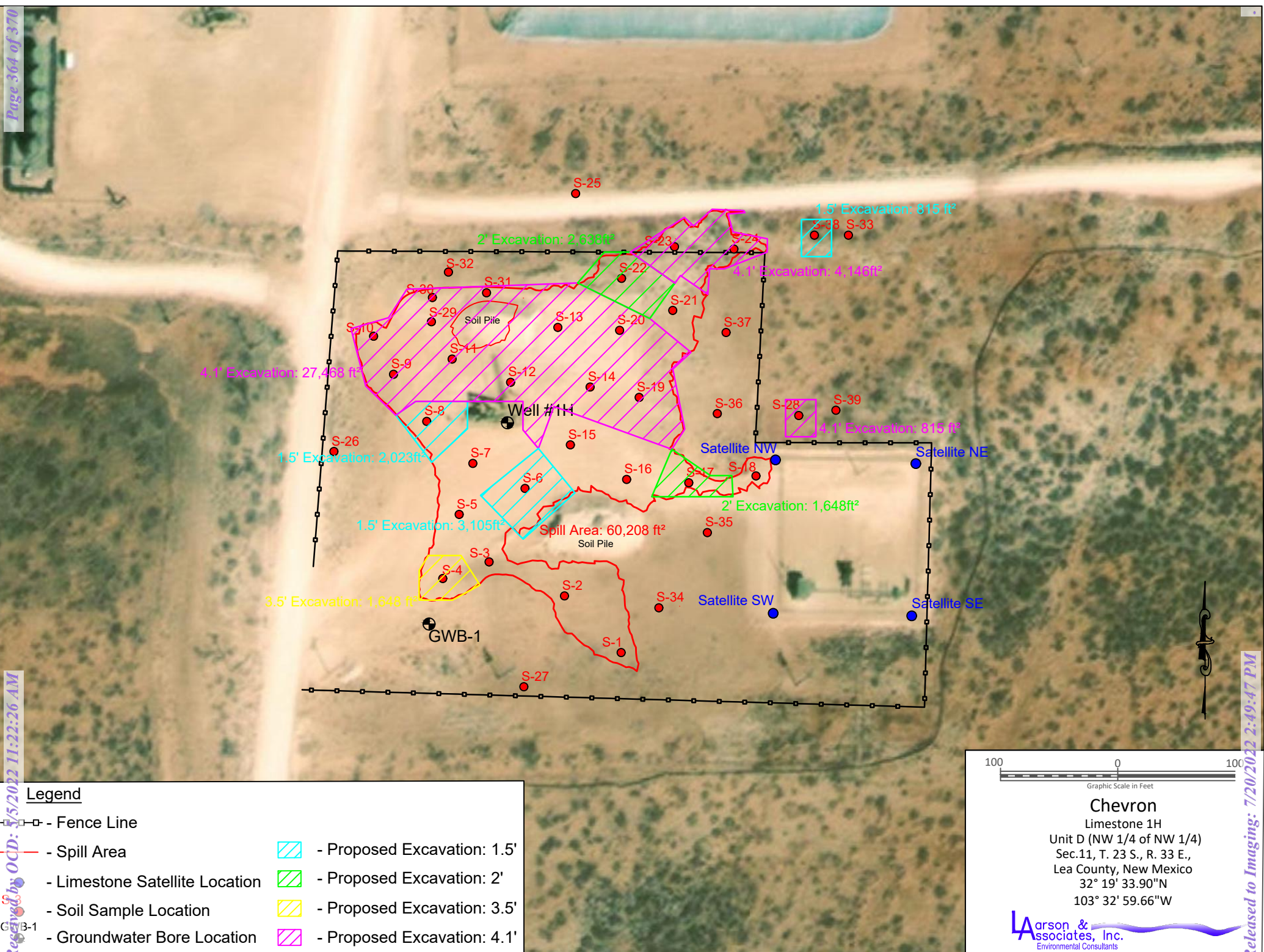


Figure 3 - Aerial Map Showing Proposed Excavation Locations

100 0 100  
Graphic Scale in Feet

**Chevron**  
Limestone 1H  
Unit D (NW 1/4 of NW 1/4)  
Sec.11, T. 23 S., R. 33 E.,  
Lea County, New Mexico  
32° 19' 33.90"N  
103° 32' 59.66"W

**Larson & Associates, Inc.**  
Environmental Consultants

**Appendix A**  
**OCD Communications**

**Robert Nelson**

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Sent:** Wednesday, May 25, 2022 9:13 AM  
**To:** Robert Nelson  
**Cc:** Barnhill, Amy D.; Mark Larson; Billings, Bradford, EMNRD  
**Subject:** RE: [EXTERNAL] Limestone 1H Telephone Conversation Confirmation

Hi Robert,

Yes that is correct. When uploading the addendum make sure you add it to App ID# 103526. Please let me know if you have any questions.

Thanks,  
Jennifer Nobui

**From:** Robert Nelson <rnelson@laenvironmental.com>  
**Sent:** Wednesday, May 25, 2022 6:57 AM  
**To:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Cc:** Barnhill, Amy D. <ABarnhill@chevron.com>; Mark Larson <Mark@laenvironmental.com>  
**Subject:** [EXTERNAL] Limestone 1H Telephone Conversation Confirmation

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello Ms. Nobui,

Thank you for returning my phone call yesterday. To confirm our conversation, the Delineation and Remediation Report submitted on behalf of Chevron for the Limestone 1H (nAPP212639500) (Site) in Lea County, New Mexico, stated that groundwater occurring at a depth of approximately 324.95 feet below ground surface (bgs) was from a well located approximately 1.19 miles southeast of the Site that was drilled in 1996. Due to the age (greater than 25 years) and distance to the Site (greater than 0.5 miles), NMOCD would not approve the report. Rather than denying the report, the NMOCD will allow Chevron to drill a groundwater bore to a depth of approximately 115 feet bgs and gauge 72 hours after installation to determine depth to groundwater and subsequent remediation standards. This current groundwater data can be added as an addendum to the previous report without paying the additional fee for submittal. If you could please confirm this is an accurate representation of our telephone conversation.

Thank you,

Robert Nelson  
Sr. Geologist  
Office – 432-687-0901  
Cell – 432-664-4804  
[rnelson@laenvironmental.com](mailto:rnelson@laenvironmental.com)



**Appendix B**  
**GWB-1 Boring Log**

## BORING RECORD

| GEOLOGIC UNIT | DEPTH | Start: 11:40<br>Finish: 12:09<br><br>DESCRIPTION LITHOLOGIC                                                         | DESCRIPTION USCS | GRAPHIC LOG | PID READING |   |   |   |    |    |    |    |    |  | SAMPLE |             |          | REMARKS |                        |
|---------------|-------|---------------------------------------------------------------------------------------------------------------------|------------------|-------------|-------------|---|---|---|----|----|----|----|----|--|--------|-------------|----------|---------|------------------------|
|               |       |                                                                                                                     |                  |             | PPM X _____ |   |   |   |    |    |    |    |    |  | NUMBER | PID READING | RECOVERY | DEPTH   | BACKGROUND PID READING |
|               |       |                                                                                                                     |                  |             | 2           | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |  |        |             |          |         |                        |
|               | 0     | Clayey Sand, 7.5YR 4/4, Brown, Medium Grained Sand to Fine Grained Sand, More Clay Present than Silt                | SC               |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 5     | Gravelly Sand, 7.5YR 6/4, Light Brown, Medium to Fine Grained Sand, Sub Angular, Poor Sorting, Some Pebbles Present | SP               |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 10    | Caliche, 7.5YR 7/3, Pink, Medium to Very Fine Grained Sand, Moderate to Poor Sorting, Sub Angular to Sub Rounded    | Caliche          |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 15    | Silty Sand, 7.5 5/3, Brown, Fine to Very Fine Grained Sand, Well Sorted, Sub Rounded                                | SM               |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 20    | 7.5YR 4/4, Brown, Fine to Very Fine Grained Sand with Silt                                                          |                  |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 25    | 7.5YR 3/4, Dark Brown, Very Fine to Fine Grained Sand, Well Sorted, Poorly Cemented, Some Pebble Size Clumps        |                  |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 30    | Gravel, 7.5YR 3/4, Dark Brown, Medium to Fine Grained Sand, Large Pebbles of Rock, Angular Pebbles, Well Cemented   | GM               |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 35    | 2.5YR 4/4, Reddish Brown, Angular, Poorly Sorted, Gravel to Coarse Grain, Moderate Cemented                         |                  |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |
|               | 40    | Clay, Red Bed, More Medium to Coarse Grained than 35', Chinley                                                      | CH               |             |             |   |   |   |    |    |    |    |    |  |        |             |          |         |                        |



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY

JOB NUMBER : Chevron / 21-0100-24HOLE DIAMETER : 5"LOCATION : Limestone 1HLAI GEOLOGIST : T. PetersDRILLING CONTRACTOR : SDIDRILLING METHOD : Air Rotary

## BORING RECORD

| GEOLOGIC UNIT | DEPTH | Start: 11:40<br>Finish: 12:09<br>DESCRIPTION LITHOLOGIC                                                                                                         | DESCRIPTION USCS | GRAPHIC LOG | PID READING                                                                                              |    |   |   |    |    |    |    |    |  | SAMPLE |             |          | REMARKS |                        |  |  |
|---------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|----------------------------------------------------------------------------------------------------------|----|---|---|----|----|----|----|----|--|--------|-------------|----------|---------|------------------------|--|--|
|               |       |                                                                                                                                                                 |                  |             | PPM X _____                                                                                              |    |   |   |    |    |    |    |    |  | NUMBER | PID READING | RECOVERY | DEPTH   | BACKGROUND PID READING |  |  |
|               |       |                                                                                                                                                                 |                  |             | 2                                                                                                        | 4  | 6 | 8 | 10 | 12 | 14 | 16 | 18 |  |        |             |          |         |                        |  |  |
|               | 45    | Clay, 2.5YR 4/4, Reddish Brown, Angular, Poorly Sorted, Gravel to Coarse Grained Sand, Moderate Cemented, Well Sorted, Medium, Chinley, Red Bed, Clay formation | CH               |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 50    |                                                                                                                                                                 |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 55    |                                                                                                                                                                 |                  |             | 7.5YR 4/4, Brown                                                                                         |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 60    |                                                                                                                                                                 |                  |             | Silty Sand, 7.5YR 5/3, Fine to Medium Grained Sand, Some Gravels, Angular to Sub Angular, Majority Fines | SM |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 65    | TD: 61.75'<br>Dry after 72 hours                                                                                                                                |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 70    |                                                                                                                                                                 |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 75    |                                                                                                                                                                 |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 80    |                                                                                                                                                                 |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |
|               | 85    |                                                                                                                                                                 |                  |             |                                                                                                          |    |   |   |    |    |    |    |    |  |        |             |          |         |                        |  |  |

|                                                       |                                |                                          |
|-------------------------------------------------------|--------------------------------|------------------------------------------|
| <input type="checkbox"/> ONE CONTINUOUS AUGER SAMPLER | WATER TABLE ( TIME OF BORING ) | JOB NUMBER : <u>Chevron / 21-0100-24</u> |
| <input type="checkbox"/> STANDARD PENETRATION TEST    | LABORATORY TEST LOCATION       | HOLE DIAMETER : <u>5"</u>                |
| <input type="checkbox"/> UNDISTURBED SAMPLE           | PENETROMETER ( TONS/ SQ. FT )  | LOCATION : <u>Limestone 1H</u>           |
| WATER TABLE ( 24 HRS )                                | NR NO RECOVERY                 | LAI GEOLOGIST : <u>T. Peters</u>         |
|                                                       |                                | DRILLING CONTRACTOR : <u>SDI</u>         |
| DRILL DATE : <u>6/16/2022</u>                         |                                | DRILLING METHOD : <u>Air Rotary</u>      |
| BORING NUMBER : <u>GWB-1</u>                          |                                |                                          |

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

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

CONDITIONS

Action 103526

CONDITIONS

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                            |
|                                                                            | Action Number:<br>103526                                  |
|                                                                            | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition             | Condition Date |
|------------|-----------------------|----------------|
| jnobui     | Amended RAP Approved. | 7/20/2022      |